WHOI-76-55

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC

By

Peter Jezek

WOODS HOLE OCEANOGRAPHIC INSTITUTION
Woods Hole, Massachusetts 02543

June 1976

TECHNICAL REPORT

Prepared for the Defense Mapping Agency under Contract DMA800-76-M-0604.

Approved for Distribution: John I. Ewing

John I. Ewing, Chairman
Department of Geology & Geophysics

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC

Peter Jezek*

Woods Hole Oceanographic Institution

Woods Hole, Massachusetts 02543

* Now at Smithsonian Institution, Washington, D. C. 02560

ABSTRACT

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTH-WEST PACIFIC

During October, November and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kai Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The islands were visited during the Greater Banda Expedition organized by the Indonesian Ministry of Mines and by the Geological Survey of Indonesia. Field parties during the expedition were transported by R.V. KRI JALANIDHI. LaCoste and Romberg land gravimeter G-114 was used in executing the measurements. The gravimeter was kept "on heat" during the three-month duration of the Woods Hole to Woods Hole loop. This was accomplished using two Gulden power cells with capacity of 5 Amp-hrs each. The batteries were able to supply sufficient energy to the instrument for 12-14 hours. In transit the batteries were recharged by connecting to a line source in hotel rooms or on the ship. On the islands of eastern Indonesia the batteries were recharged by 300 W portable Honda generator driven by a gasoline engine. Both batteries, after 20 hours work (about 10 hours each) were recharged in this way in about 4-5 hours using a charge rate of 2.8 A (for two batteries).

The gravimeter was transported in its case by jet aircraft, ship, small outboard equipped boat and in a back pack on some of the islands. Caution was exercised to protect the instrument from vibrations and shocks.

The base stations were established whenever possible at airports, thus providing good position and elevation control. In eastern Indonesia the majority of the stations were located in Mosques because these are usually easily found and are located near the sea so that elevation can be established with

a single altimeter. Also because the mosques are centers of religion they are seldom disturbed or relocated,thus they guarantee long preservation of the stations.

The elevation of the majority of the stations was established using a single Wallace and Tiernan altimeter by comparing to sea level. All measurements were corrected for temperature, and pressure change corrections were made utilizing the records of a portable Weather Measure Recording Barograph. The accuracy of the elevation of the stations is estimated to be better than ±3 m.

Latitudes and longitudes of the stations were derived in most instances from Operational Navigation Chart (ONC, scale 1:1,000,000) in conjunction with topographical charts (mostly scale 1:250,000) of individual islands when available. It is quite difficult to establish the accuracy of the positions because the accuracy of the topographical charts is not known and the absolute positions of the islands may be different from their mapped positions.

In calculating the base stations the following stations were held constant and the accompanying ¶GSN71 values and the 1967 reference system were used:

Seismological Observatory, Wellington, New Zealand:

$$g = 980250.98$$

BIPM, Sevres, France:

$$g = 980925.97$$

Logan Airport station Q, Boston, Mass.:

$$g = 980387.54$$

Observations were corrected for earth tides and a correction for an instrument drift by linear regression was made. The

maximum standard error at a station was 0.04 mgal. In the calculation of Bouguer values the density of 2.67 gm/cm^3 was used.

On the next pages a list of gravity values for each station is presented, followed by station descriptions and sketches.

ACKNOWLEDGMENTS

I would like to thank the Defense Mapping Agency for providing the instrument and partial financial support for the project. They also performed the data reductions. Geological Survey of Indonesia and the Indonesian Ministry of Mines provided the invitation to participate in the Greater Banda Expedition during which the measurements in eastern Indonesia were made. I would like to thank Ir. Jako Sukarman of the Geological Survey of Indonesia for help during the measurements. Thanks are also due to participants of the Greater Banda Expeditions especially to the expedition leader Drs. H.M.S. Hortono. In New Caledonia Dr. F. Dugas and other ORSTOM scientists provided a helping hand. In Fiji the measurements were made in cooperation with and on request of Mr. R. Richmond, director of Mineral Resources Development of Fiji. Nan Galbraith assisted in the final preparation of this report.

This project was initiated and supported by Dr. Carl O. Bowin to whom my warmest thanks are due.

GRAVITY STATION VALUES

Station No.	Station	Gravity Value (g)
189-1	BIPM, Sevres, France	980925.97
189-2	Kemajoran Airport, Jakarta, Indonesia	978146.81
189-3	Tanjung Priok, Jakarta, Indonesia	978146.29
189-4	Kupang Post Office, Timor Island, Indonesia	978160.04
189-5	Penfui Airport, Timor Island, Indonesia	978155.45
189-6	Tenau Harbor, Timor Island, Indonesia	978153.27
189-7	Ilwaki, Wetar Island, Indonesia	978259.33
189-8	Masapun, Wetar Island, Indonesia	978245.62
189-9	Wonreli Landing, Kisar Island, Indonesia	978239.71
189-10	Wonreli District Chief's House, Kisar Island, Indonesia	978245.29
189-11	Abusur, Kisar Island, Indonesia	978236.30
189-12	Oiratatimur, Kisar Island, Indonesia	978241.29
189-13	Lebelau, Kisar Island, Indonesia	978227.30
189-14	Serwaru, Leti Island, Indonesia	978201.79
189-15	Kaiwatu Church, Moa Island, Indonesia	978233.38
189-16	Poru House, Kaiwatu, Moa Island, Indonesia	978236.22
189-17	Mahaleta, Sermata Island, Indonesia	978149.89
189-18	Tepa, Babar Island, Indonesia	978194.12
189-19	Eliara, Babar Island, Indonesia	978208.76
189-20	Emroing, Babar Island, Indonesia	978150.45
189-21	Ambon, Ambon Island, Indonesia	978167.06
189-22	Paso, Ambon Island, Indonesia	978155.12
189-23	Tulehu, Ambon Island, Indonesia	978143.70

189-24	Liang, Ambon Island, Indonesia	978130.49
189-25	Hitulama, Ambon Island, Indonesia	978151.30
189-26	Laha Airport, Ambon Island, Indonesia	978163.64
189-27	Latuhalat, Ambon Island, Indonesia	978192.57
189-28	Hotel Anggrek, Ambon Island, Indonesia	978171.90
189-29	Tunsai, Seram Island, Indonesia	978071.45
189-30	Laimu, Seram Island, Indonesia	978069.88
189-31	Inlomin, Manawoko Island, Indonesia	978115.32
189-32	Keldor,Kasiui Island, Indonesia	978122.50
189-33	Elat Church, Kei Besar Island, Indonesia	978245.91
189-34	Elat Mosque, Kei Besar Island, Indonesia	978247.33
189-35	Tamangil Nuhuten, Kei Besar Island, Indonesia	978225.91
189-36	Hungar Island, Indonesia	978091.58
189-37	Jerili Grave, Serua Island, Indonesia	978245.15
189-38	Jerili Church, Serua Island, Indonesia	978242.12
189-39	Banda Neira, Banda Neira Island, Indonesia	978248.80
189-40	Anauni, Boano Island, Indonesia	978053.93
189-41	Soleh, Kelang Island, Indonesia	978158.29
189-42	Tihu, Kelang Island, Indonesia	978207.49
189-43	Tahalupu, Kelang Island, Indonesi	978169.98
189-44	Kaibobo, Seram Island, Indonesia	978149.67
189-45	Piru, Seram Island, Indonesia	978057.64
189-46	Talaga, Seram Island, Indonesia	978070.74

189- 47	Ani, Seram Island, Indonesia	978088.57
189-48	Uhe, Seram Island, Indonesia	978110.04
189-49	Luhu, Seram Island, Indonesia	978130.44
189-50	Ujung Pandang, Sulawesi Island, Indonesia	978119.11
189-51	Gowa Palace, Sunggu Minasa, Sulawesi Is., Ind.	978116.09
189-52	Maros, Sulawesi Island, Indonesia	978126.61
189-53	Ngurah Ray airport, Bali Island, Indonesia	978269.08
189-54	Mengwi, Bali Island, Indonesia	978200.66
189-55	Bedugul, Bali Island, Indonesia	977988.99
189-56	Selaparang airport, Lombok Island, Indonesia	978287.50
189-57	Bandung, Java Island, Indonesia	977975.52
189-58	ORSTOM, Noumea, New Caledonia	978865.33
189-59	Ouen Toro, Noumea, New Caledonia	978837.46
189-60	Magenta airport, Noumea, New Caledonia	978852.59
189-61	Mont Coffin, Noumea, New Caledonia	978847.33
189-62	Seismological Observatory, Wellington, New Zealand	980250.98
189-63	MRD, Suva, Fiji	978599.56
189-64	Nausori airport, Viti Levu Island, Fiji	978610.23
189-65	Tailevu Hotel, Korovou, Viti Levu Island, Fiji	978564.60
189-66	Raki Raki, Viti Levu Island, Fiji	978579.71
189-67	Nandarivatu, Viti Levu Island, Fiji	978291.55
189-68	Korolevu, Viti Levu Island, Fiji	978604.41
189-69	Nandi airport 1, Viti Levu Island, Fiji	978532.11
189-70	Nandi airport 2, Viti Levu Island, Fiji	978532.11

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Jakarta	
STATE / PROVINCE		STATION NAME
Java		Kemajoran Airport

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
6°9.30'S	106°50.90'E	4.9 m	189-2	

DESCRIPTION

The station is located at Kemajoran airport (for domestic flights) in Jakarta. On a porch on the air field side of the second floor of the terminal building.

Remarks: Station experiences variable noise levels.

DESCRIBED BY P. Jezek DATE 9/75

POSITION CONTROL DESCRIPTION
Previous report

ELEVATION CONTROL DESCRIPTION
Previous report

DIAGRAM

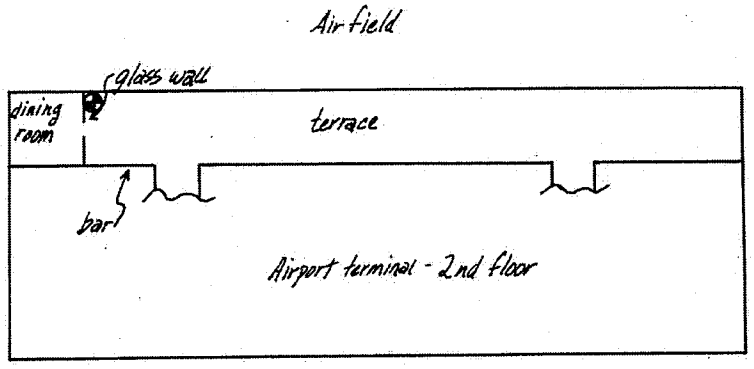

DIAGRAM BY P. Jezek DATE 9/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Jakarta	
STATE / PROVINCE		STATION NAME
Java		Tanjung Priok

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
6°5.83'S	106°52.76'E	1.5 m	189-3	

DESCRIPTION

The station is located at Tanjung Priok, Jakarta, on a concrete platform leading to floating Dok 3.

Remarks: Station experiences variable noise levels. Access is restricted; permission to enter is obtained with difficulty.

DESCRIBED BY P. Jezek DATE 9/75

POSITION CONTROL DESCRIPTION
Map

ELEVATION CONTROL DESCRIPTION
tape from sea level

DIAGRAM

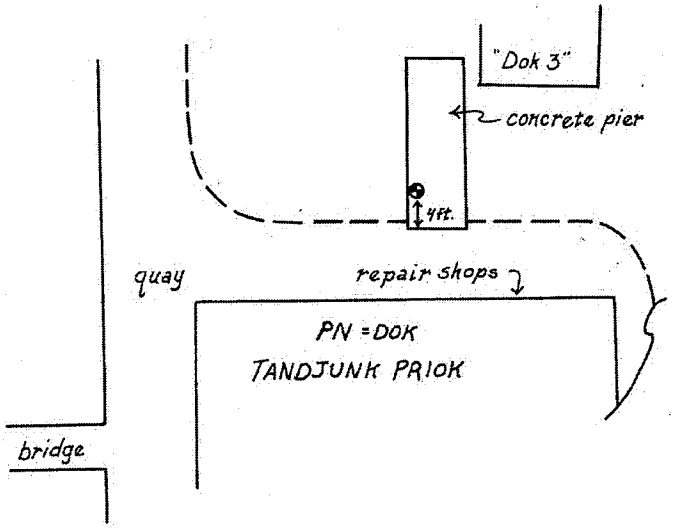

DIAGRAM BY P. Jezek DATE 9/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kupang	
STATE / PROVINCE		STATION NAME
Timor		Kupang Post Office

LATITUDE	LONGITUDE	ELEVATION	W.R.G.I. STATION NO.	GRAVITY VALUE (g)
10°10.40'S	123°34.50'E	8.0 m	189-4	

DESCRIPTION

The station is located in Kupang post office on the floor at the street side wall of the public area about two feet from the corner.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

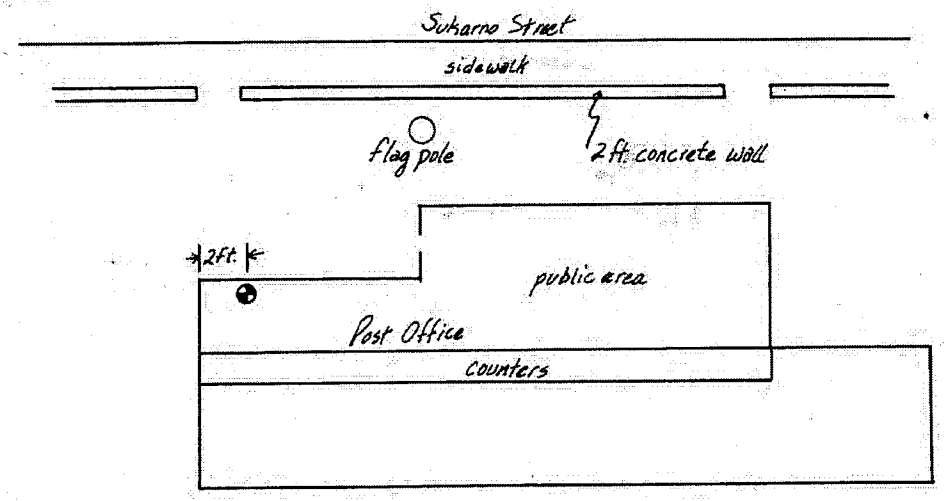

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kupang	
STATE / PROVINCE		STATION NAME
Timor		Penfui Airport

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
10°10.60'S	123°40.20'E	102.0 m	189-5	

DESCRIPTION

The station is located at Penfui airport (near Kupang) in the corner of the briefing room on the ground floor of the airport traffic tower.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION Airport location

ELEVATION CONTROL DESCRIPTION Airport elevation

DIAGRAM

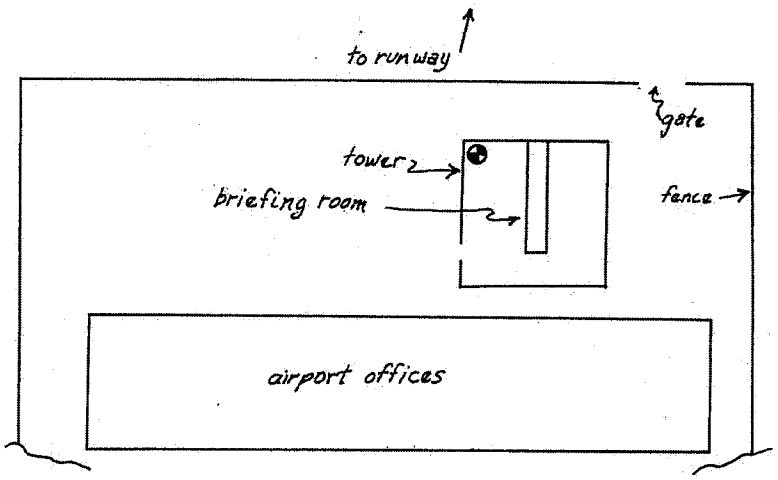

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kupang	
STATE / PROVINCE		STATION NAME
Timor		Tenau Harbor

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
10°11.60'S	123°31.5'E	3.0 m	189-6	

DESCRIPTION

The station is located at Tenau Harbor (near Kupang) in the immigration office found near the harbor access road.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

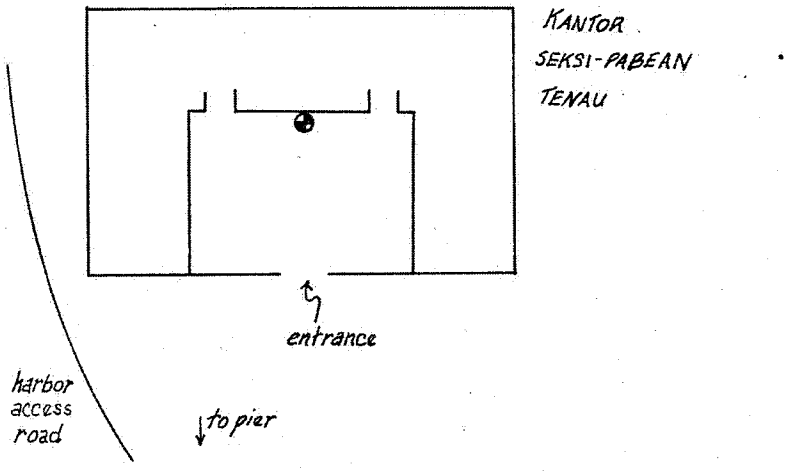

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Ilwaki	
STATE / PROVINCE		STATION NAME
Wetar		Ilwaki Church

LATITUDE	LONGITUDE	ELEVATION	W.M.O.I. STATION NO.	GRAVITY VALUE (g)
7°56.10'S	126°25.80'E	21.0 m	189-7	

DESCRIPTION

The station is located at Ilwaki new church, in the corner formed by the bell tower and the church. The church is visible from the bay.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

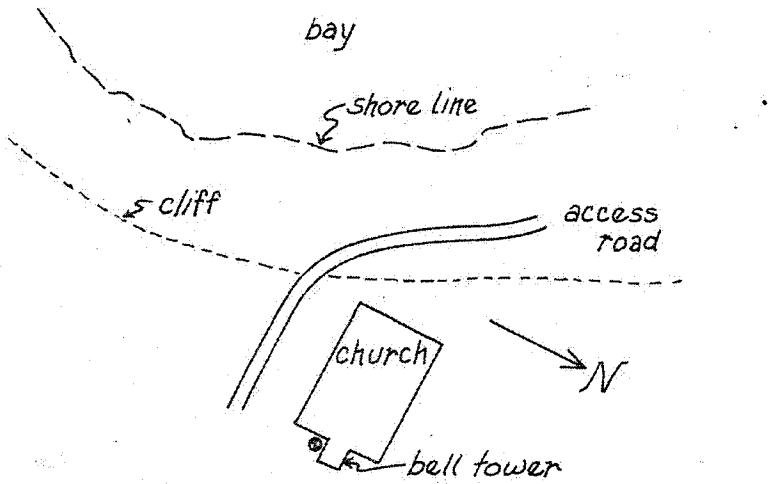

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Masapun	
STATE/PROVINCE		STATION NAME
Wetar		Masapun Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
7°46.95'E	126°37.95'E	1.7 m	189-8	

DESCRIPTION

The station is located in Masapun on the south side of a 2-foot boulder found on the village side of the church. The church is built out of wood and straw.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

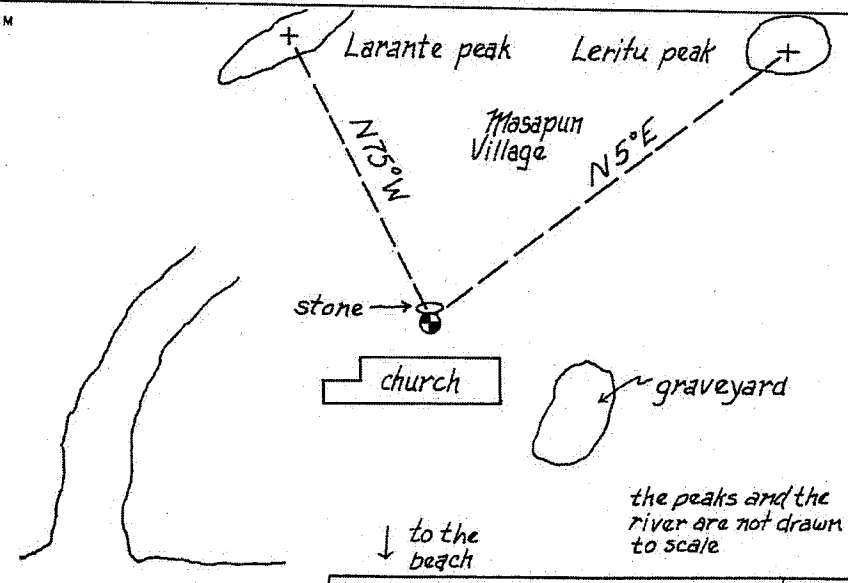

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Wonreli	
STATE/PROVINCE		STATION NAME
Kisar		Stone House (Landing Area)

LATITUDE	LONGITUDE	ELEVATION	W.H.O.L STATION NO.	GRAVITY VALUE (g)
8°5.0'S	127°9.02'E	1.5m	189-9	

DESCRIPTION

The station is located near Wonreli at a base of a wall of stone house found at the beginning of the access road leading from the sea to Wonreli.

Remarks: The station may be unstable due to oscilations produced by wave action.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

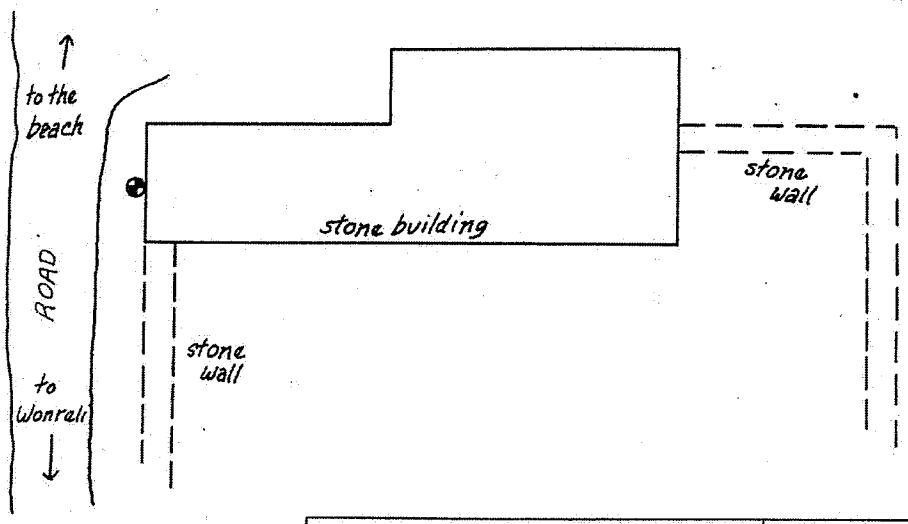

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Wonreli	
STATE/PROVINCE: Kisar		STATION NAME: Chief's House

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°4.50'S	127°10.03'E	26.0m	189-10	

DESCRIPTION

The station is located on a concrete floor of a porch of district chief's house in Wonreli.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

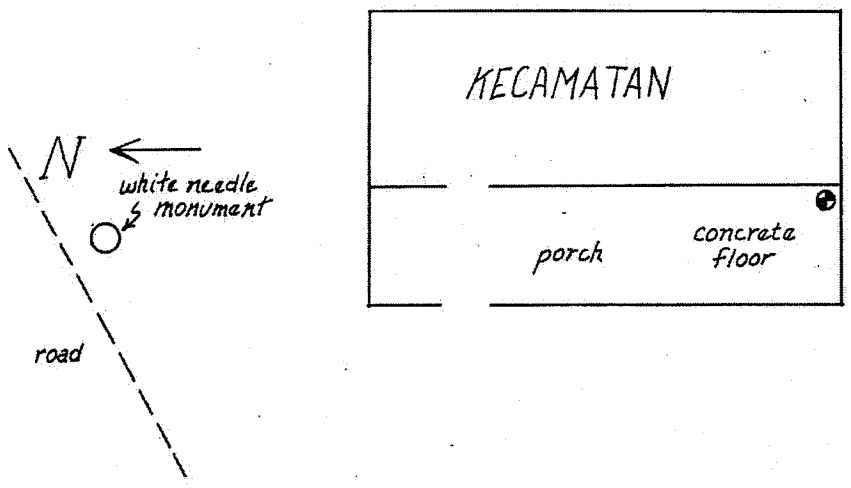

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Abusur	
STATE / PROVINCE		STATION NAME
Kisar		Rehoboth Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°4.80'S	127°10.42'E	73.8m	189-11	

DESCRIPTION

The station is located on a raised concrete platform connecting the steps of Rehoboth church found on the hill top in Abusur.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

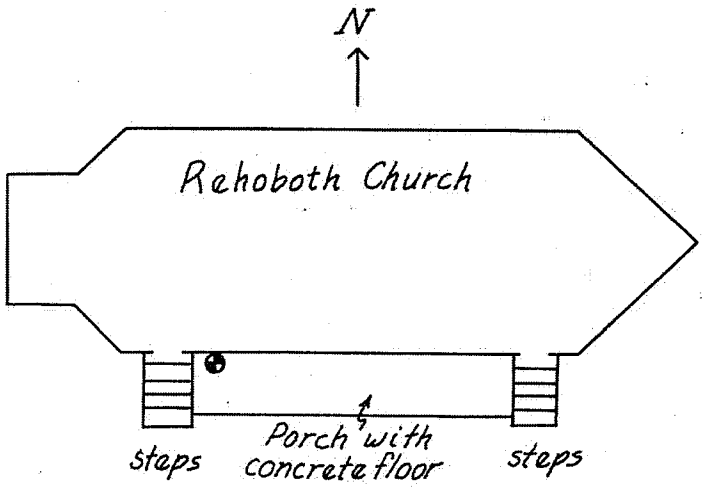

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
Indonesia	Oiratatimur				
STATE / PROVINCE		STATION NAME			
Kisar		Rehoboth Church			
LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)	
8°5.50'S	127°11.95E	61.4m	189-12		

DESCRIPTION

The station is located on the ground at a northern corner of Rehoboth church in Oiratatimur. The church is built out of wood and straw and mortar on a stone footing.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

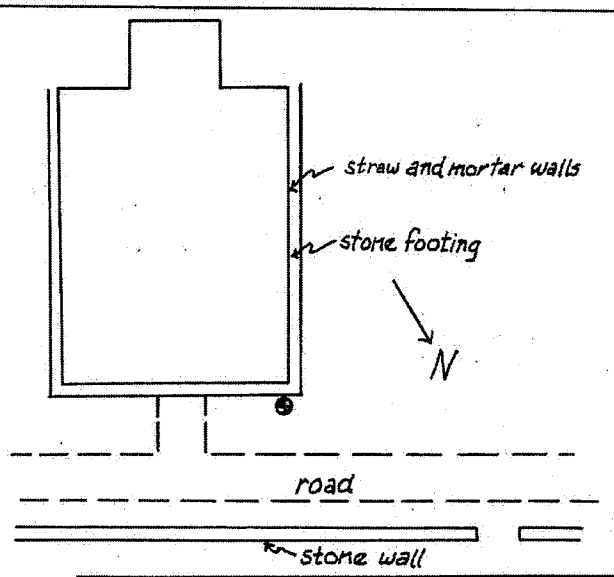

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Lebelau	
STATE / PROVINCE		STATION NAME
Kisar		Protestant Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°2.39'S	127°9.40°E	95.0m	189-13	

DESCRIPTION

The station is located on the ground on the eastern side of the new Protestant church in Lebelau. The church, built out of mortar with metal roof, is on a hill side overlooking the village.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

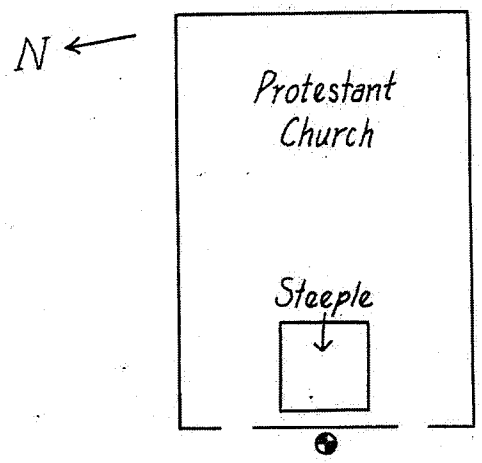

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Serwaru	
STATE/PROVINCE		STATION NAME
Leti		Kantor Pemerintahan

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°9.70'S	127°40.77'E	2.8m	189-14	

DESCRIPTION

The station is located on the concrete floor of the porch of Kantor Pemerintahan in Serwaru.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

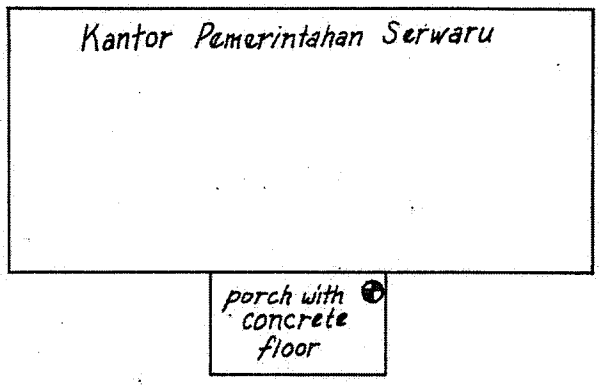

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kaiwatu	
STATE / PROVINCE: Moa		STATION NAME: Kaiwatu, W. Moa, Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°6.60'S	127°49.08'E	15.4m	189-15	

DESCRIPTION

The station is located in the middle of the concrete base of a small bell tower. The tower is in the vicinity of the south corner of an old Protestant church in Kaiwatu. (New church is planned to be built on the site of the old one.)

DESCRIBED BY: P. Jezek — DATE: 10/75

POSITION CONTROL DESCRIPTION: Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION: Altimeter elevation tied to sea level

DIAGRAM

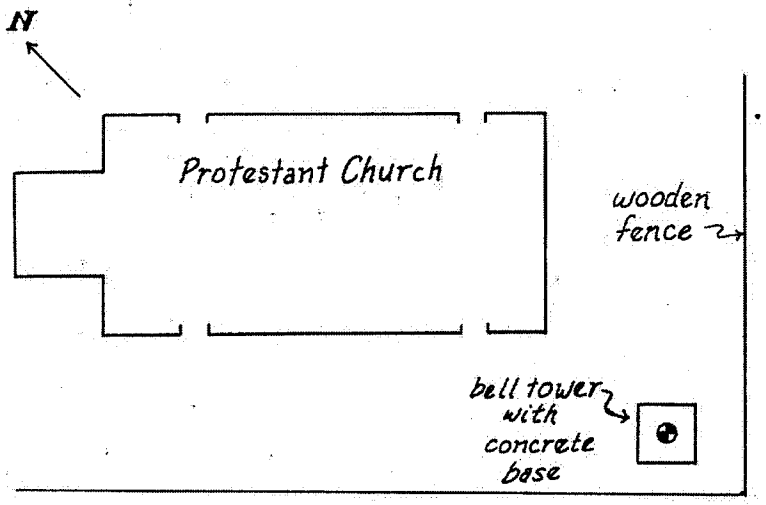

DIAGRAM BY: P. Jezek — DATE: 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kaiwatu	
STATE / PROVINCE		STATION NAME
Moa		Poru House

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°6.60'S	127°49.00'E	1.5m	189-16	

DESCRIPTION

The station is located on a floor of the porch of a house owned by Jesayas Poru in Kaiwatu. The house is near the sea next to the road leading to the school.

DESCRIBED BY	DATE
P. Jezek	10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

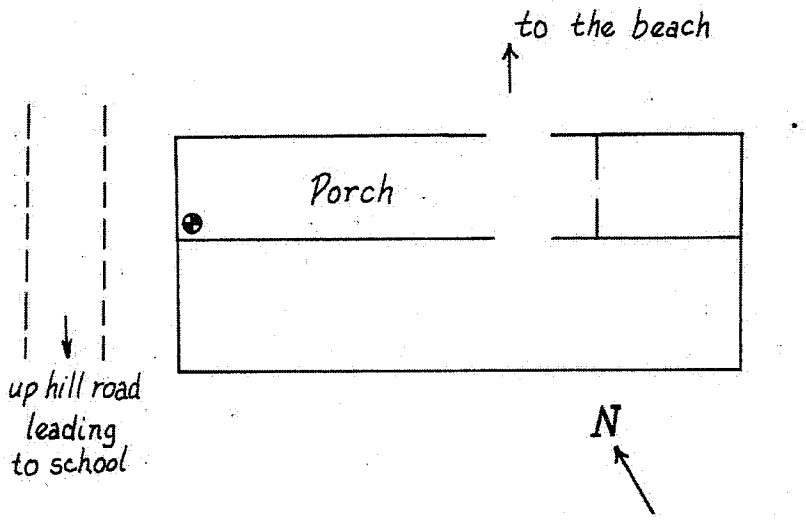

DIAGRAM BY	DATE
P. Jezek	10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Mahaleta	
STATE / PROVINCE		STATION NAME
Sermata		Protestant Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°11.60'S	128°55.60'E	12.4m	189-17	

DESCRIPTION

The station is located on high concrete footing supporting the walls of Protestant church in Mahaleta.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

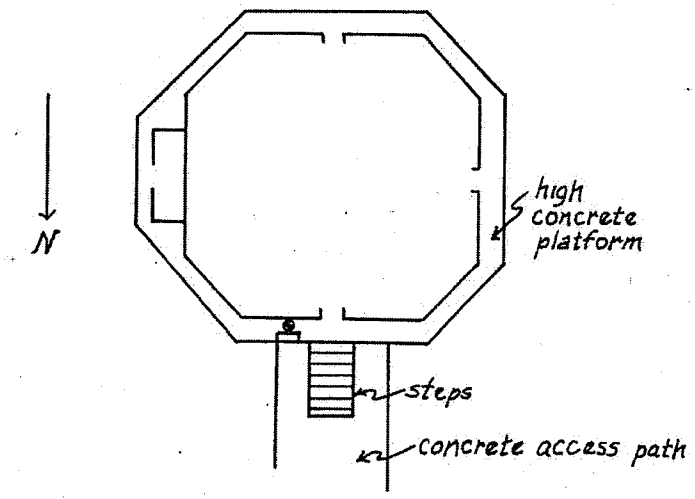

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tepa	
STATE / PROVINCE		STATION NAME
Babar		District Admin. Office

LATITUDE	LONGITUDE	ELEVATION	W.N.O.I. STATION NO.	GRAVITY VALUE (g)
7°52.28'S	129°35.30'E	5.0m	189-18	

DESCRIPTION

The station is located on the concrete floor of the porch of districts administrators office in Tepa.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

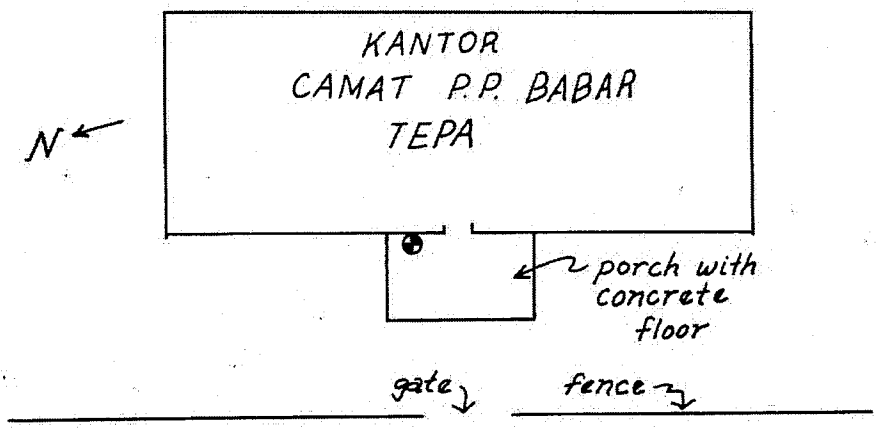

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Eliara	
STATE / PROVINCE		STATION NAME
Babar		Protestant Bell Tower

LATITUDE	LONGITUDE	ELEVATION	W.H.Q.I. STATION NO.	GRAVITY VALUE (g)
7°49.11'S	129°45.68'E	8.5m	189-19	

DESCRIPTION

The station is located on the ground, on the north side of a concrete base (originally used as a bell tower base), south of Protestant Church in Eliara. The church is built out of wood and straw and the village plans to build a new one in 1976-77.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

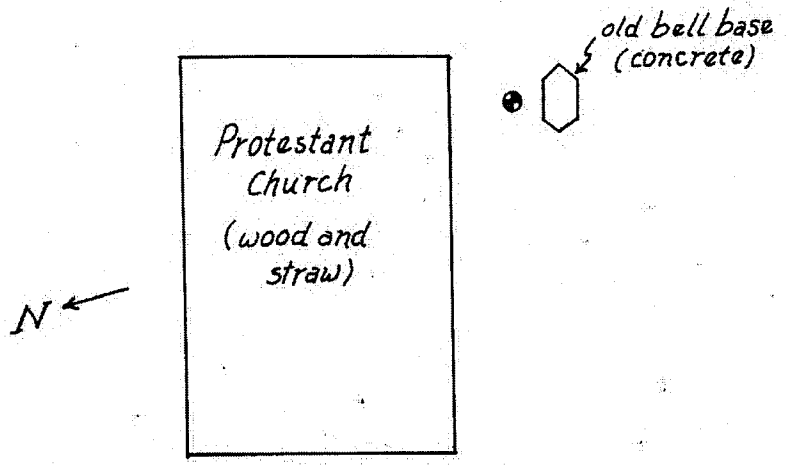

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Emroing	
STATE/PROVINCE		STATION NAME
Babar		Protestant Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
7°58.22'S	129°38.6'E	4.0m	189-20	

DESCRIPTION

The station is located on a concrete floor west of the western support pillar in the Protestant Church in Emroing. The church is very solidly built.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

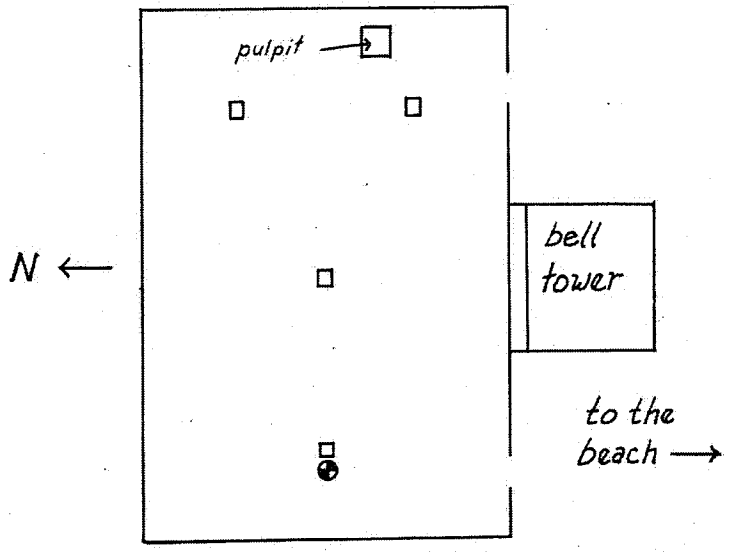

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
Indonesia					
STATE/PROVINCE		STATION NAME			
Ambon		Governor's Offices			
LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)	
3°41.60'S	128°10.90'E	16.6m	189-21		

DESCRIPTION

The station is located in the lobby of the building housing the governor's offices. Above the station on the wall dedication plate is found with the following writing: Kantor Gubernur Kepala Daerah, etc.

AMIR MACHMUD

Remarks: The station is experiencing variable noise levels.

DESCRIBED BY	DATE
P. Jezek	10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

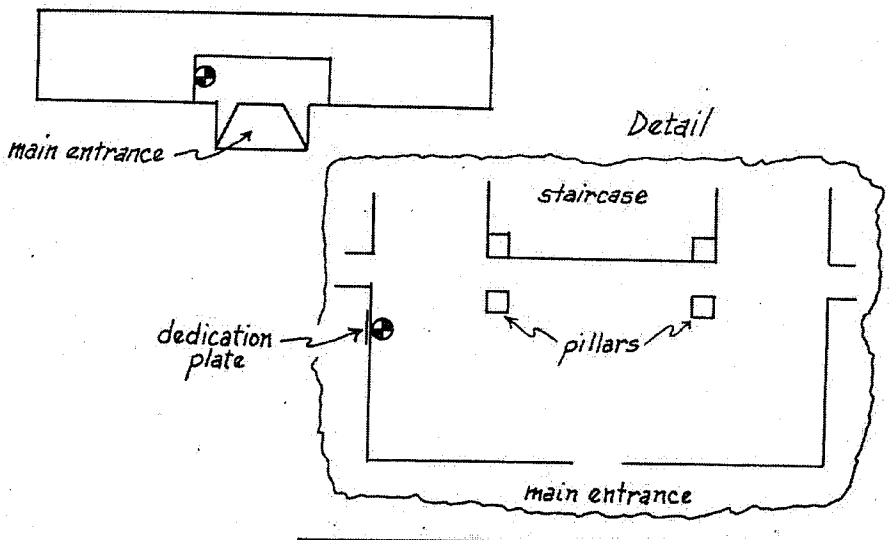

DIAGRAM BY	DATE
P. Jezek	10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Paso	
STATE / PROVINCE		STATION NAME
Ambon		Protestant Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°37.60'S	128.15.30'E	8.0m	189-22	

DESCRIPTION

The station is located on a concrete step on a right side of a left hand entrance to the Protestant Church in Paso.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

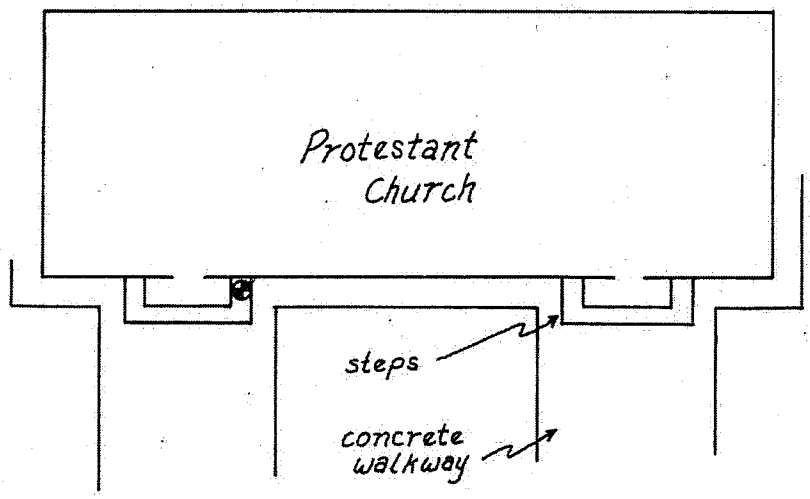

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tulehu	
STATE / PROVINCE		STATION NAME
Ambon		Slamet Riyadi Monument

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°35.40'S	128°20.35'E	10.4m	189-23	

DESCRIPTION

The station is located on a concrete base on a west side of Slamet Riyadi monument found south of mosque in Tulehu.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

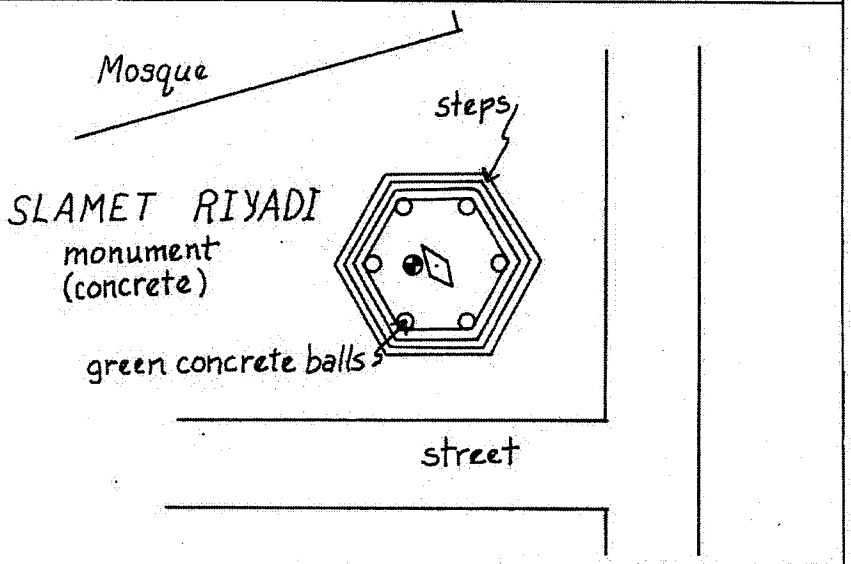

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Liang	
STATE/PROVINCE		STATION NAME
Ambon		Chief's House

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°30.40'S	128°19.15'E	1.5m	189-24	

DESCRIPTION

The station is located on a concrete floor of veranda of village chief's house in Liang. Chief's name is Suleiman Soplistuni.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

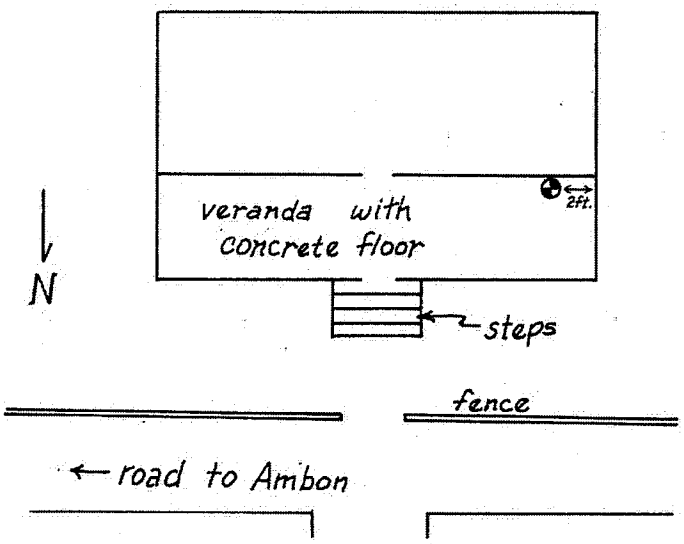

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Hitulama	
STATE / PROVINCE		STATION NAME
Ambon		Hitulama Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3.35.11'S	128°10.20'E	3.0m	189-25	

DESCRIPTION

The station is located on a concrete floor in a southeast corner of new mosque in Hitulama. The mosque was under construction in 1975.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

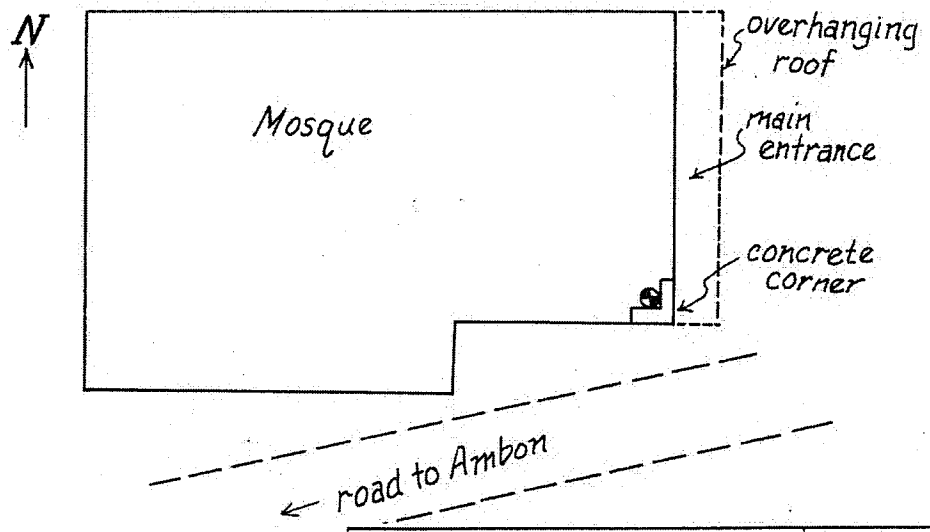

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
Indonesia	Ambon				
STATE / PROVINCE		STATION NAME			
Ambon		Laha Airport			
LATITUDE	LONGITUDE	ELEVATION	W.M.O.I. STATION NO.	GRAVITY VALUE (g)	
3°42.25'S	128°5.40'E	10.0m	189-26		

DESCRIPTION

The station is located on a walk between the traffic control tower and the office building at Laha airport.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION Airport location

ELEVATION CONTROL DESCRIPTION
Airport elevation

DIAGRAM

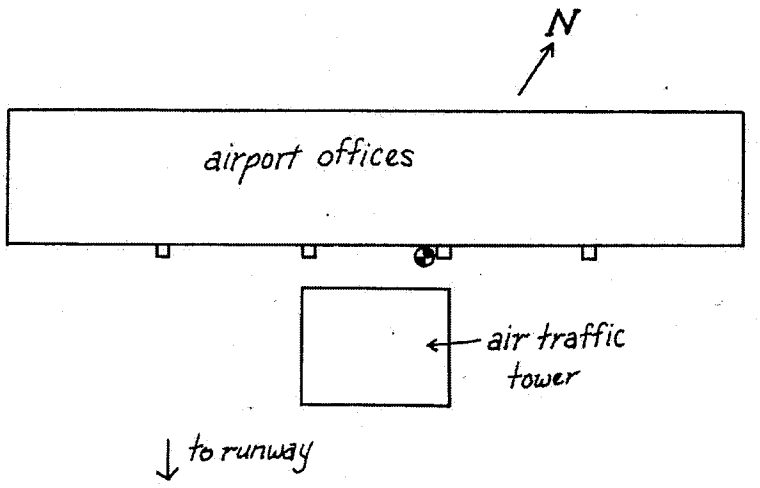

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

GRAVITY STATION DESCRIPTION

COUNTRY	NEAREST CITY	STATION NAME
Indonesia	Latuhalat	Peniel Church
STATE / PROVINCE: Ambon		

LATITUDE	LONGITUDE	ELEVATION	W.M.O.I. STATION NO.	GRAVITY VALUE (g)
3°46.53'S	128°7.18'E	7.0m	189-27	

DESCRIPTION

The station is located on a concrete walk near the middle of the northeast wall of Protestant Church (Peniël) in Latuhalat. On the wall above station is placed dedication plate.

DESCRIBED BY P. Jezek — DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

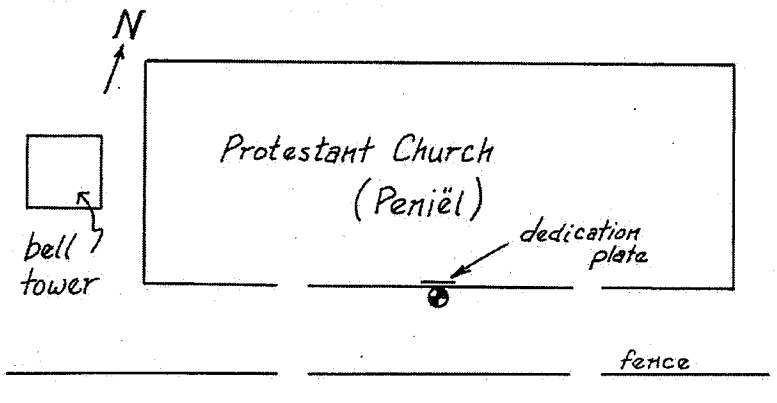

DIAGRAM BY P. Jezek — DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Ambon	
STATE/PROVINCE		STATION NAME
Ambon		Hotel Anggrek

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°41.85'S	128°10.90'E	6.0m	189-28	

DESCRIPTION

The station is located on the floor of veranda of hotel Anggrets in Ambon.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

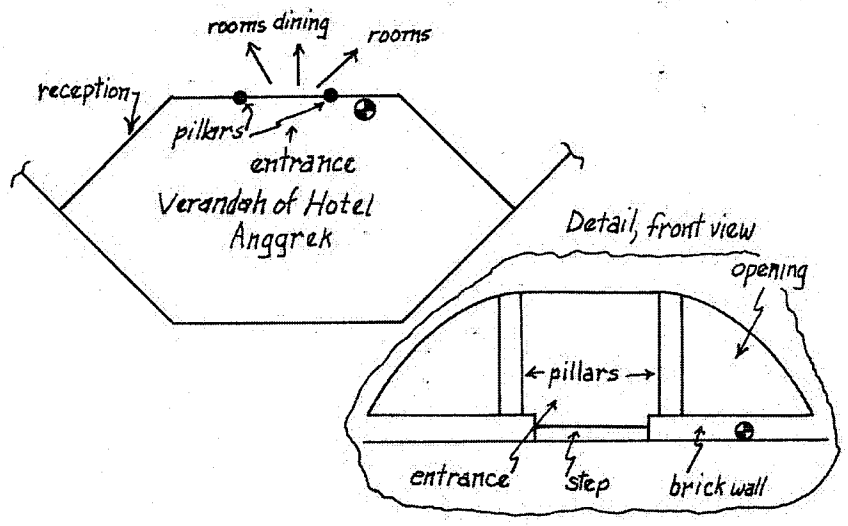

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tunsai	
STATE / PROVINCE		STATION NAME
South Seram		Tunsai Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°20.11'S	129°54.80'E	9.0m	189-29	

DESCRIPTION

The station is located in Tunsai mosque, on a concrete base in the middle of porch opening facing the sea (no steps leading to this opening). The mosque is well visible from the sea.

DESCRIBED BY	DATE
P. Jezek	10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

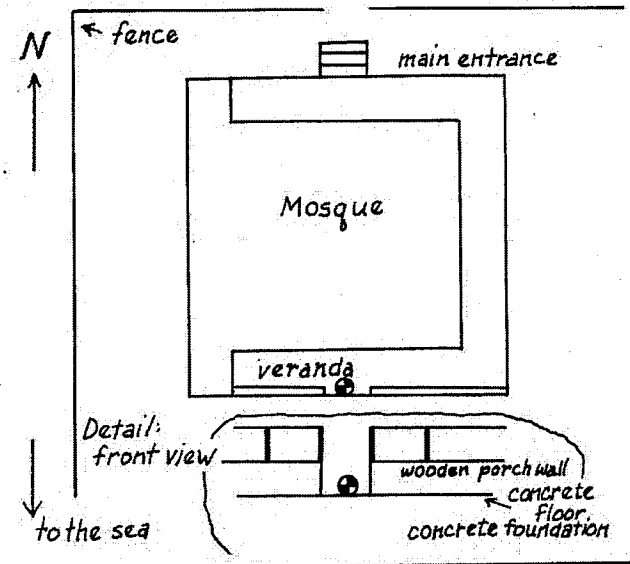

DIAGRAM BY	DATE
P. Jezek	10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Laimu	
STATE/PROVINCE		STATION NAME
South Seram		Laimu Mosque

LATITUDE	LONGITUDE	ELEVATION	W.N.O.I. STATION NO.	GRAVITY VALUE (g)
3°19.40'S	129°46.80'E	2.0m	189-30	

DESCRIPTION

The station is located on a concrete floor in the entrance to mosque for men in Laimu.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

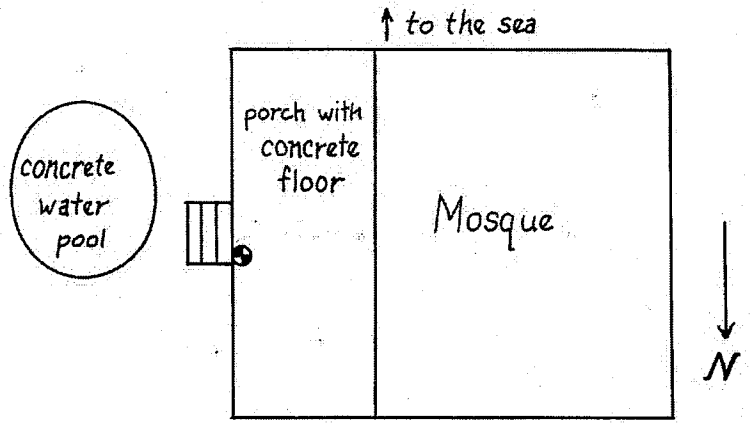

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Inlomin	
STATE / PROVINCE		STATION NAME
Manawoko		Inlomin Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
4°7.65'S	131°22.00'E	2.0m	189-31	

DESCRIPTION

The station is located on a concrete platform connecting the access steps to the mosque in Inlomin.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

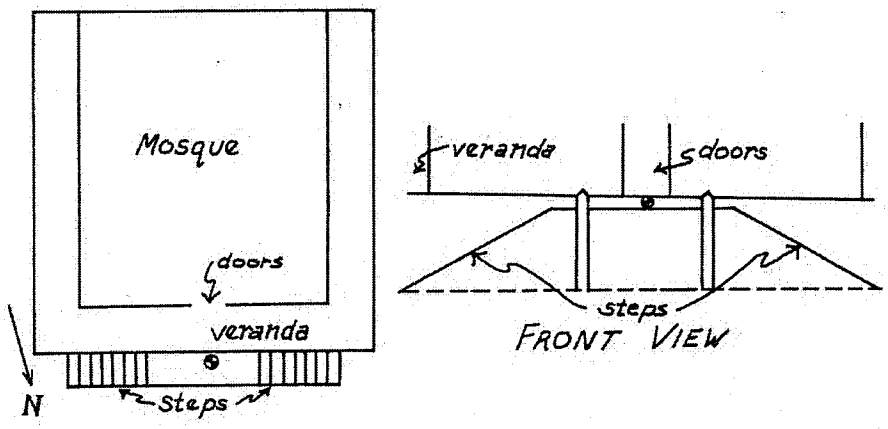

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Keldor	
STATE / PROVINCE		STATION NAME
Kasiui		Keldor Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
4°29.00'S	131°38.00'E	2.5m	189-32	

DESCRIPTION

The station is located on concrete floor of the porch of mosque in Keldor.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

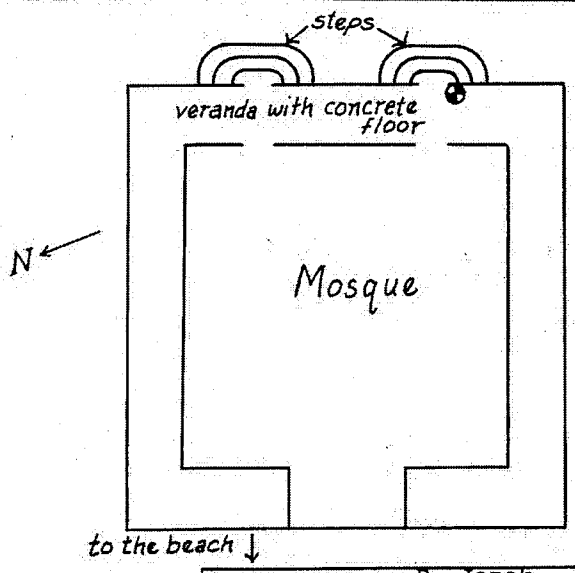

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Elat	
STATE / PROVINCE		STATION NAME
Kei Besar		Catholic Church

LATITUDE	LONGITUDE	ELEVATION	W.R.G.I. STATION NO.	GRAVITY VALUE (g)
5°39.30'S	132.59.80'E	17.8m	189-33	

DESCRIPTION

The station is located on concrete floor one foot from the right hand door.

The measurement was made inside of the new Catholic church in Elat. The station is located on a concrete floor next to the wall and about one foot from the left hand side entrance. The church, on the hillside, is visible from the bay.

DESCRIBED BY P. Jezek DATE 10/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

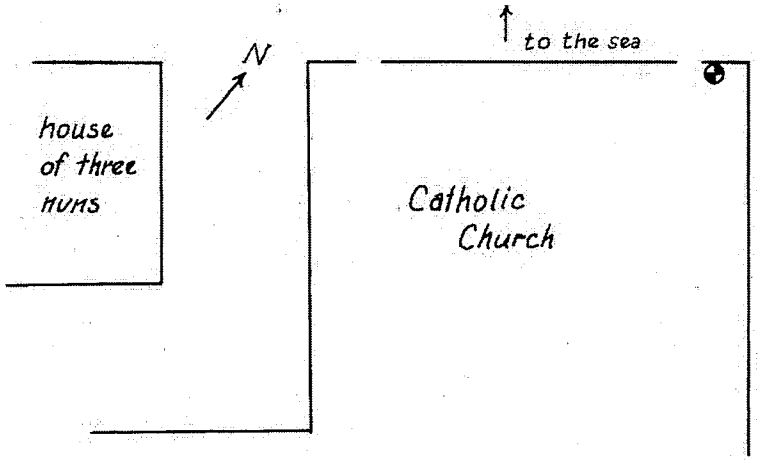

DIAGRAM BY P. Jezek DATE 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Elat	
STATE / PROVINCE: Kei Besar		STATION NAME: Largest mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
5°39.30'S	132°59.40'E	10.0m	189-34	

DESCRIPTION

The station is located at the base of a support pillar in the largest mosque in Elat (found near the pier on an elevated limestone terrace).

DESCRIBED BY: P. Jezek — DATE: 10/75

POSITION CONTROL DESCRIPTION: Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION: Altimeter elevation tied to sea level

DIAGRAM

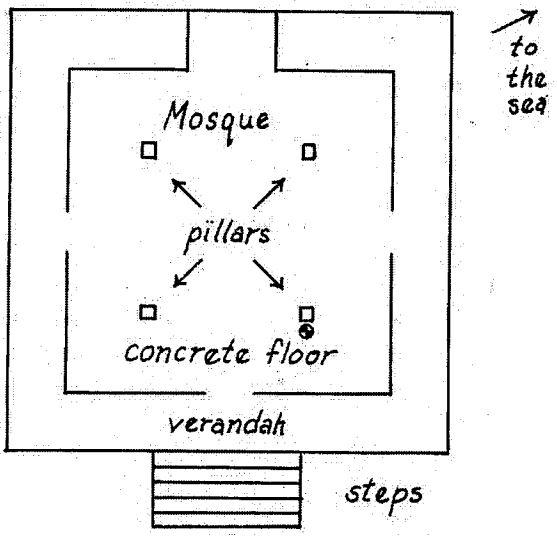

DIAGRAM BY: P. Jezek — DATE: 10/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tamangil Nuhuten	
STATE/PROVINCE		STATION NAME
Kei Besar		Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
5°50.42'S	132°53.10'E	2.0m	189-35	

DESCRIPTION

The station is located at the base of a support pillar in mosque in Tamangil Nuhuten.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

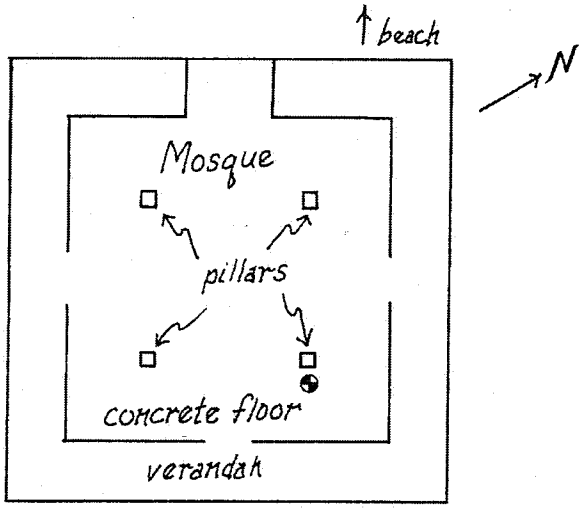

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia		
STATE / PROVINCE		STATION NAME
Hungar		Sandstone Platform

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
7°14.95'S	131°23.90'E	0.1 m	189-36	

DESCRIPTION

The station is located on a sandstone platform found on the western side of the Hungar island near Laibobar. The station marked by X cut in the sandstone, is submerged at hightide.

DESCRIBED BY	DATE
P. Jezek	11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Estimated

DIAGRAM

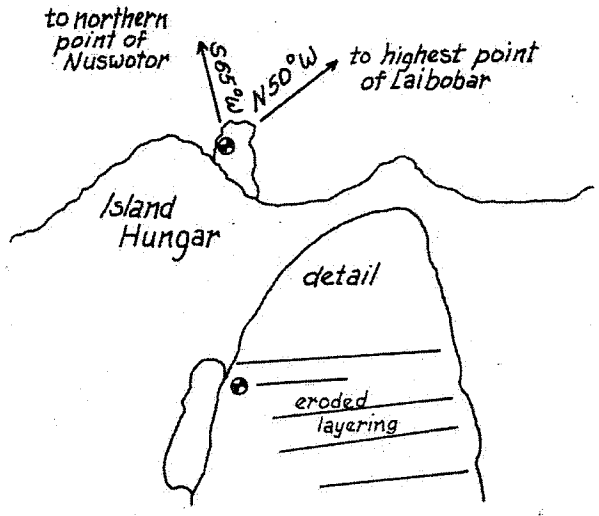

DIAGRAM BY	DATE
P. Jezek	11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Jerili	
STATE / PROVINCE		STATION NAME
Serua		Gravestone

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
6°18.75'S	130°0.13'E	148.0m	189-37	

DESCRIPTION

The station is located on a concrete platform at the base of gravestone on the southern access path to Jerili. The gravestone carries the writing: DISINI TEMPAT 19.2 1953.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

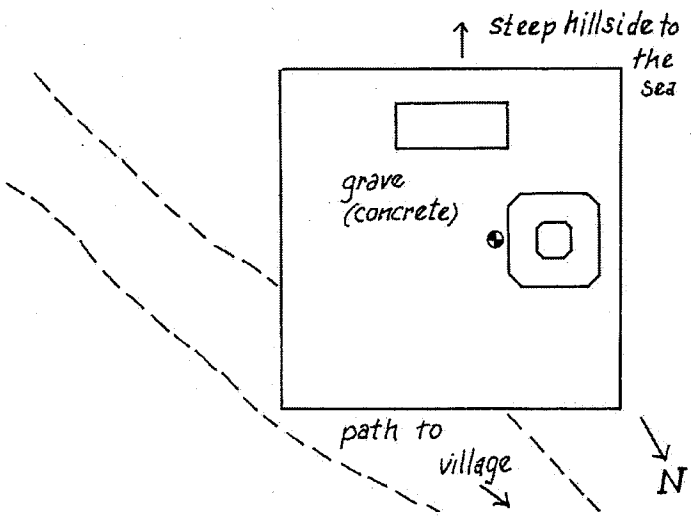

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Jerili	
STATE / PROVINCE		STATION NAME
Serua		Jerili Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
6°18.75'S	130°0.13'E	164.0 m	189-38	

DESCRIPTION

The station is located on the floor near the entrance of Jerili church. The church is built out of mortar and has a red tile roof.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

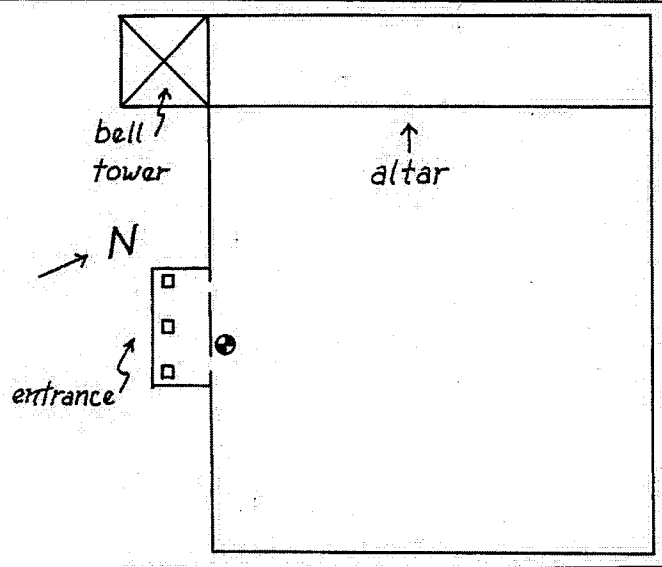

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
Indonesia	Neira				
STATE/PROVINCE		STATION NAME			
Banda Neira		Harbor Master's Offices			
LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)	
4°31.40'S	129°53.60'E	5.0 m	189-39		

DESCRIPTION

The station is located on the floor of street side porch of a building housing harbor master's office.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

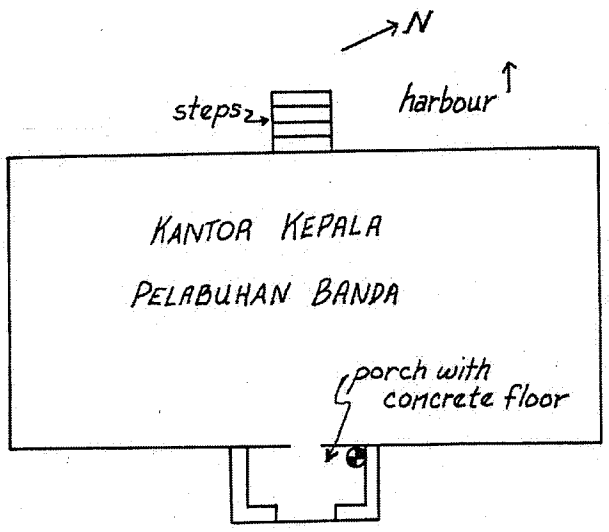

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Anauni	
STATE / PROVINCE		STATION NAME
Boano		Anauni Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
2°57.70'S	127°52.50'E	2.0 m	189-40	

DESCRIPTION

The station is located on the floor of veranda, in the middle of the main entrance, of Anauni mosque.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

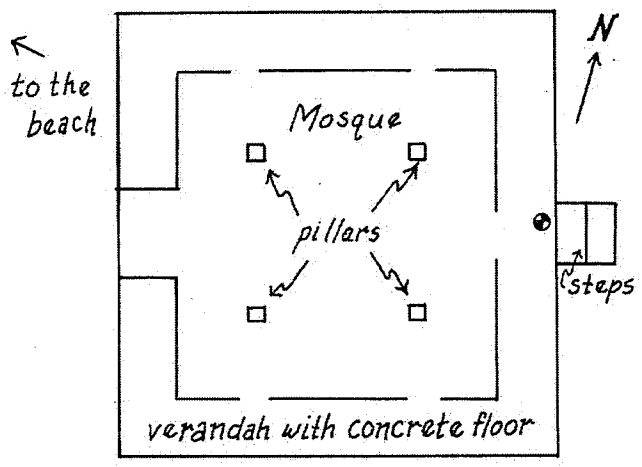

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Soleh	
STATE/PROVINCE		STATION NAME
Kelang		Soleh Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°9.70'S	127°46.20'E	1.0 m	189-41	

DESCRIPTION

The station is located next to the right pillar of left main entrance to Soleh mosque. The mosque was under construction in 1975.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

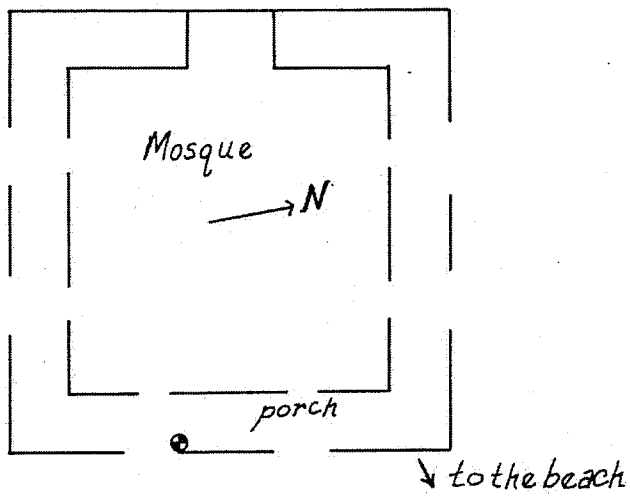

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tihu	
STATE / PROVINCE		STATION NAME
Kelang		Tihu Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°15.10'S	127°41.40'E	1.0 m	189-42	

DESCRIPTION

The station is located on the ground at the northwest corner of Tihu mosque. The mosque and its foundations were in very poor shape in 1975.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

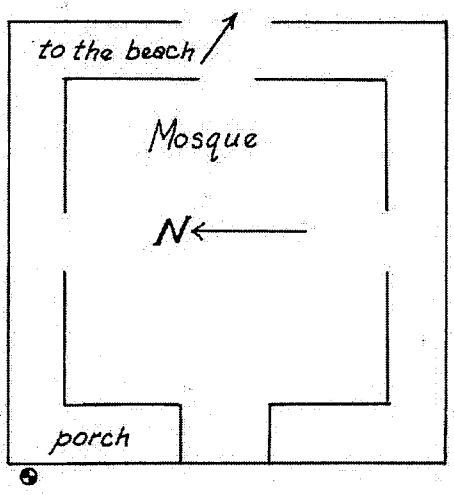

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Tahalupu	
STATE / PROVINCE		STATION NAME
Kelang		Tahalupu Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°13.75'S	127°39.20'E	4.0 m	189-43	

DESCRIPTION

The station is located on the porch floor next to the wall near the main entrance to Tahalupu mosque.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

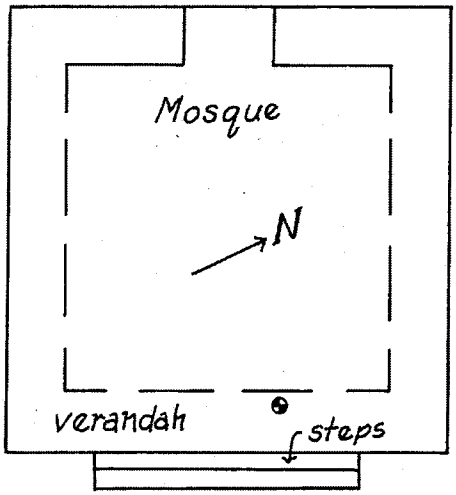

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Kaibobo	
STATE / PROVINCE		STATION NAME
West Seram		Protestant Church

LATITUDE	LONGITUDE	ELEVATION	W.H.O.L STATION NO.	GRAVITY VALUE (g)
3°12.20'S	128°9.51'E	2.0 m	189-44	

DESCRIPTION

The station is located on a concrete tile walk to the right of the entrance to Kaibobo Protestant Church.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

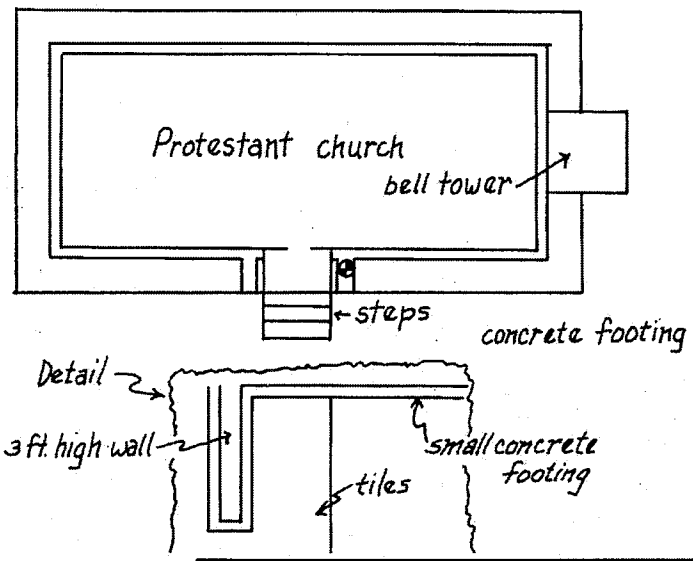

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Piru	
STATE/PROVINCE		STATION NAME
West Seram		Piru Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°3.61'S	128°11.03'E	1.8 m	189-45	

DESCRIPTION

The station is located on a concrete footing supporting one of the roof pillars in Piru mosque.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

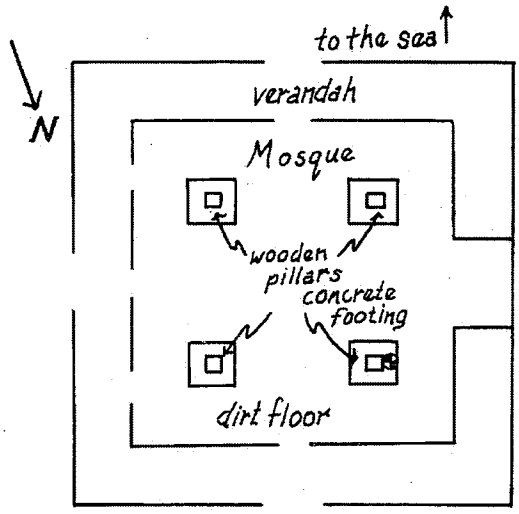

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Talaga	
STATE / PROVINCE		STATION NAME
West Seram		Talaga Mosque

LATITUDE	LONGITUDE	ELEVATION	W.R.O.L STATION NO.	GRAVITY VALUE (g)
3°5.60'S	128°6.80'E	2.0 m	189-46	

DESCRIPTION

The station is located at the base of a roof pillar in Talaga mosque.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

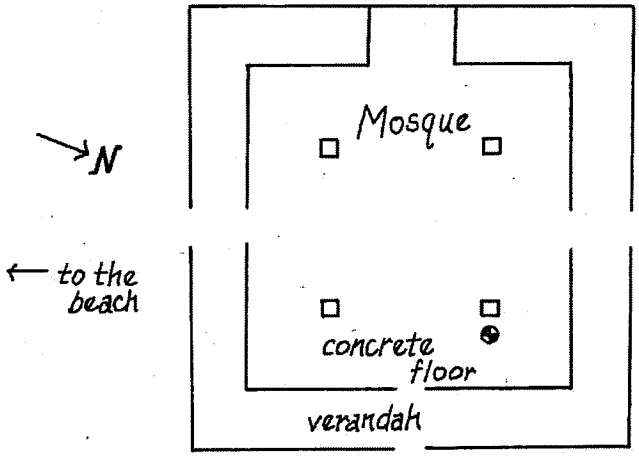

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Ani	
STATE / PROVINCE		STATION NAME
West Seram		Ani Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°14.26'S	128°3.98'E	1.0 m	189-47	

DESCRIPTION

The station is located in the middle of the main entrance to Ani mosque.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

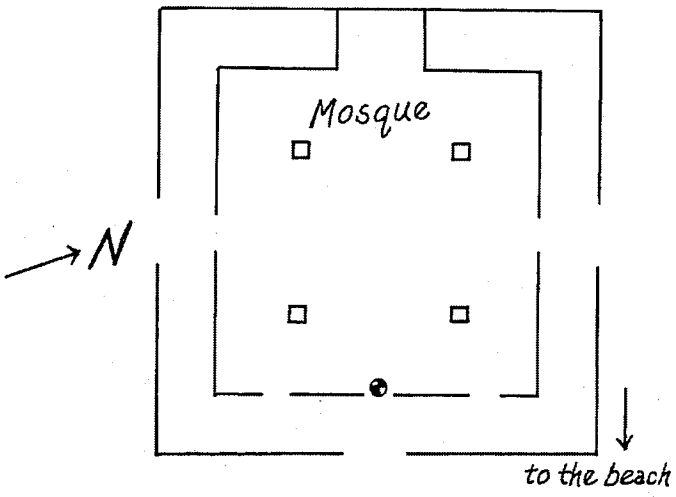

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Uhe	
STATE / PROVINCE		STATION NAME
West Seram		Pillar at beach

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
3°19.35'S	128°3.48'E	1.0 m	189-48	

DESCRIPTION

The station is located on a concrete footing, on the western side of a three-foot concrete pillar found near the beach. There are two parallel concrete footings rimming dirt road leading from the beach to the village but only the southern footing has a concrete pillar at the beach end.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

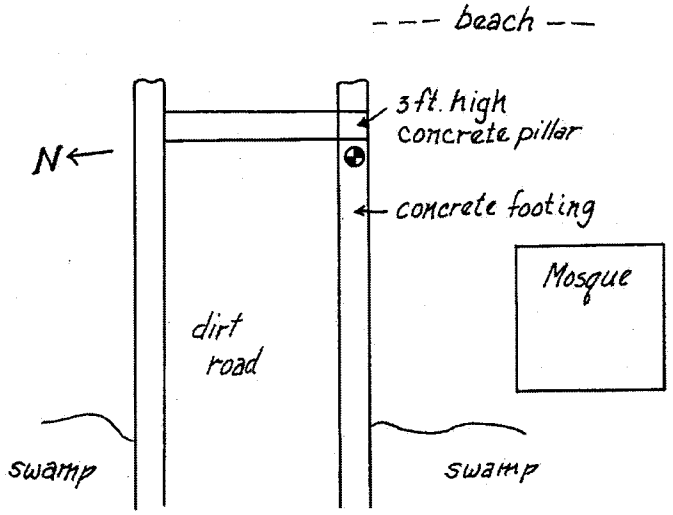

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Luhu	
STATE / PROVINCE: West Seram		STATION NAME: Luhu Mosque

LATITUDE	LONGITUDE	ELEVATION	W.R.O.I. STATION NO.	GRAVITY VALUE (g)
3°22.93'S	127°59.56'E	6.0 m	189-49	

DESCRIPTION

The station is located on the floor at a base of one of the roof supporting pillars in Luhu mosque.

DESCRIBED BY: P. Jezek — DATE: 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

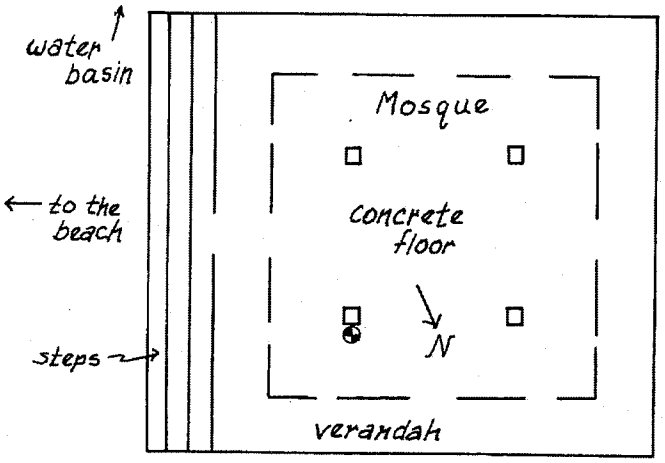

DIAGRAM BY: P. Jezek — DATE: 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Ujung Pandang	
STATE/PROVINCE		STATION NAME
Sulawesi		Hasanuddin Airport

LATITUDE	LONGITUDE	ELEVATION	W.M.O.I. STATION NO.	GRAVITY VALUE (g)
5°4.00'S	119°33.00'E	32.0m	189-50	

DESCRIPTION

The station is located in the terminal building of Hasanuddin airport (near Ujung Pandang).

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Airport location

ELEVATION CONTROL DESCRIPTION
Airport elevation

DIAGRAM

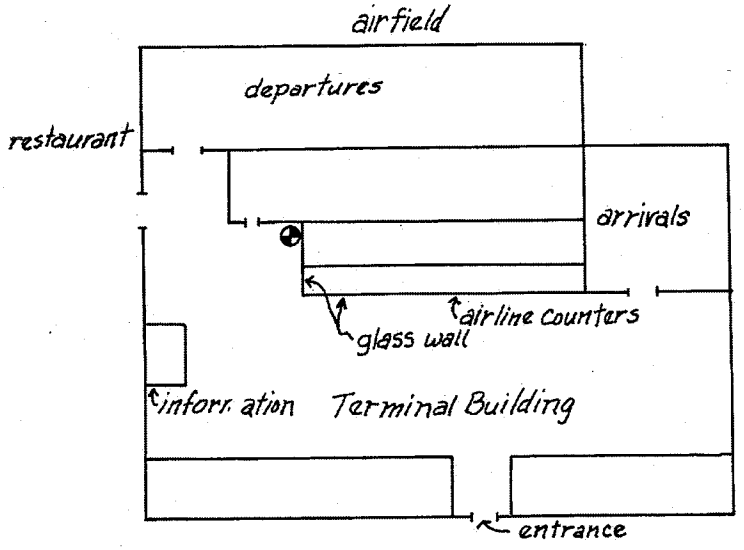

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Sunggu Minasa	
STATE / PROVINCE		STATION NAME
Sulawesi		Gowa Palace

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
5°12.4'S	119°27.5'E	4.0 m	189-51	

DESCRIPTION

The station is located on a concrete platform at the base of wooden steps leading to Gowa Palace in Sunggu Minasa.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION

Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

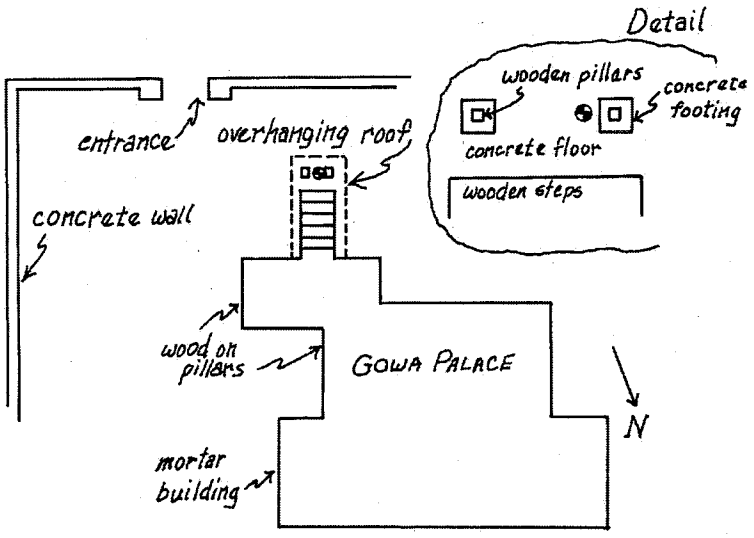

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Maros	
STATE/PROVINCE		STATION NAME
Sulawesi		Largest Mosque

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
5°0.50'S	119°34.10'E	26.0 m	189-52	

DESCRIPTION

The station is located on the floor inside of largest mosque in Maros. This mosque, with many steel, roof supporting pillars is found at a major intersection on the left hand side of the road after crossing single lane river bridge on the way from Ujung Pandang to Maros.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

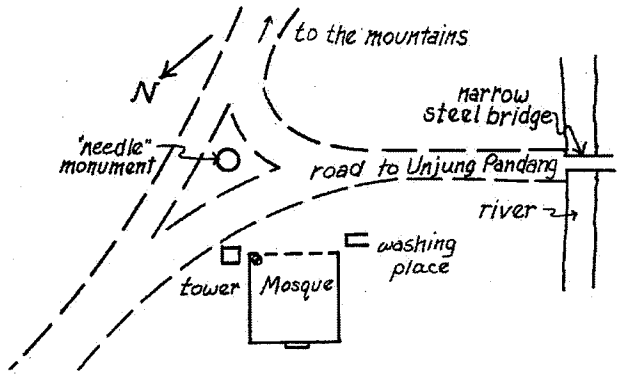

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δg	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
Indonesia	Denpasar				
STATE / PROVINCE: Bali		STATION NAME: Ngurah Ray International Airport			
LATITUDE: 8°43.50'S	LONGITUDE: 115°6.00'E	ELEVATION: 3.0 m	W.H.O.I. STATION NO.: 189-53	GRAVITY VALUE (g)	

DESCRIPTION

The station is located at a base of a large stone statue near the departure entrance of Ngurah Ray international airport.

DESCRIBED BY: P. Jezek — DATE: 11/75

POSITION CONTROL DESCRIPTION: Airport location

ELEVATION CONTROL DESCRIPTION: Airport elevation

DIAGRAM

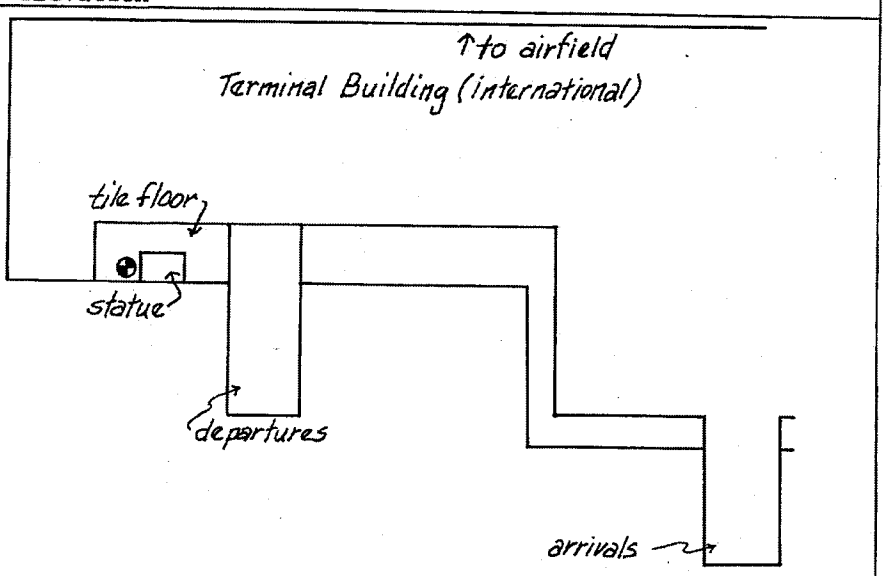

DIAGRAM BY: P. Jezek — DATE: 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Mengwi	
STATE / PROVINCE		STATION NAME
Bali		Puratamaan Hayun Temple

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°33.00'S	115°10.60'E	20.0m	189-54	

DESCRIPTION

The station is located on an elevated brick porch of the first left hand building found after entering through the main stone gate of Puratamaan Hayun temple in Mengwi.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

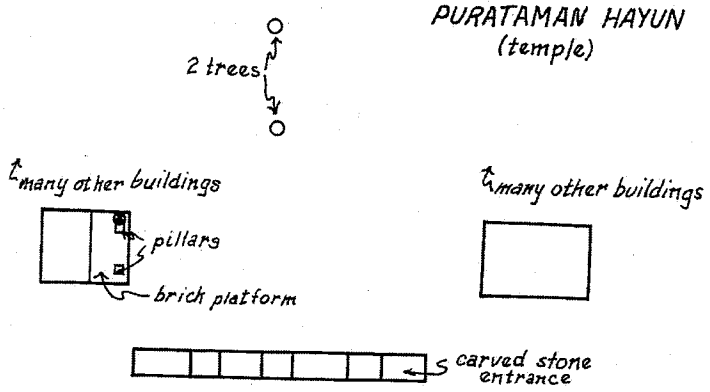

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Bedugul	
STATE / PROVINCE		STATION NAME
Bali		Bratan lake shore

LATITUDE	LONGITUDE	ELEVATION	W.H.O.L STATION NO.	GRAVITY VALUE (g)
8°17.10'S	115°10.20'E	1152.0 m	189-55	

DESCRIPTION

The station is located on a concrete base between the concrete wall marking the Bratan Lake shore and the wall of eight sided stone near the landing in Bedugul.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Operational navigation chart in conjunction with local maps

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

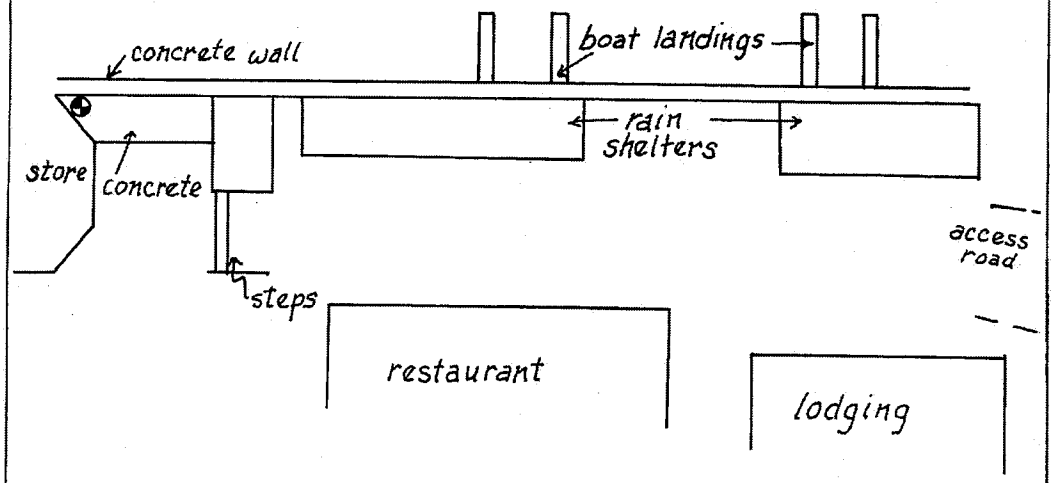

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Bandung	
STATE / PROVINCE		STATION NAME
Java		Geological Survey of Indonesia

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
6°53.90'S	107°37.90'E	718.0 m	189-57	

DESCRIPTION

The station is located on the floor behind the railing under the relief chart of Indonesia found in the entrance hall of the main building of the Geological Survey of Indonesia.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Given by Geological Survey of Indonesia (G.S.I.)

ELEVATION CONTROL DESCRIPTION
Given by Geological Survey of Indonesia (G.S.I.)

DIAGRAM

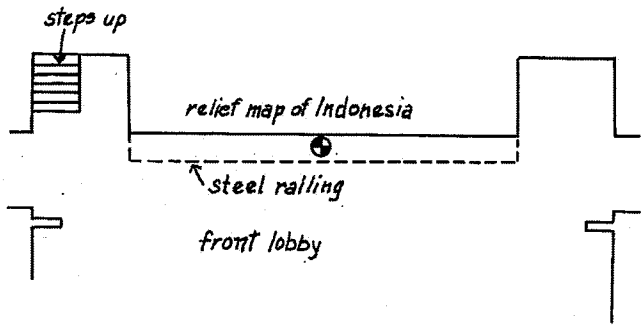

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
New Caledonia	Noumea	
STATE / PROVINCE		STATION NAME: Quarantine office

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
22°18.26'S	166°27.33'E	4.5 m	189-58	

DESCRIPTION

The station is located on the left side of the lowest step of entrance to quarantine and phytosanitary service of New Caledonia. The building is near the ORSTOM main office. The station is marked by a brass disc, carrying date 12-5-67, set in the concrete step.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
ORSTOM

ELEVATION CONTROL DESCRIPTION
ORSTOM

DIAGRAM by ORSTOM

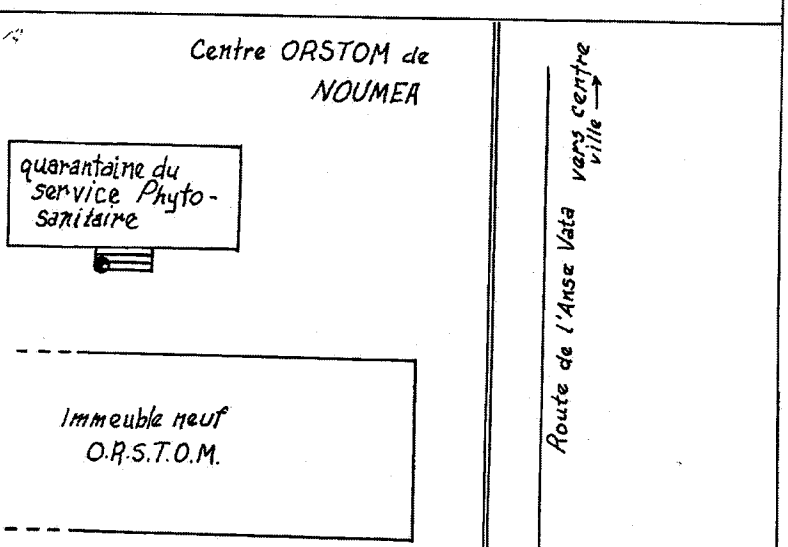

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
New Caledonia	Noumea	
STATE / PROVINCE		STATION NAME: Ouen Toro (Orstom)

LATITUDE	LONGITUDE	ELEVATION	W.M.O.I. STATION NO.	GRAVITY VALUE (g)
22°18.08'S	166°27.02'E	130.0 m	189-59	

DESCRIPTION

The station is located on the ground floor of Ouen Toro seismological station, part of ORSTOM facilities. The station location is marked by three rivets in the concrete floor.

DESCRIBED BY P. Jezek — DATE 11/75

POSITION CONTROL DESCRIPTION
ORSTOM

ELEVATION CONTROL DESCRIPTION
ORSTOM

DIAGRAM

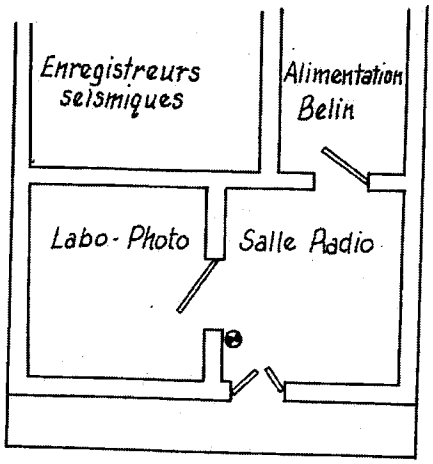

DIAGRAM BY ORSTOM — DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
New Caledonia	Noumea	
STATE/PROVINCE		STATION NAME: Magenta Airport

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
22°16.00'S	166°28.00'E	3.0 m	189-60	

DESCRIPTION

The station is located on the field side of the control building at Magenta airport. The location is marked by three rivets set in the concrete walk way.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
ORSTOM

ELEVATION CONTROL DESCRIPTION
ORSTOM

DIAGRAM

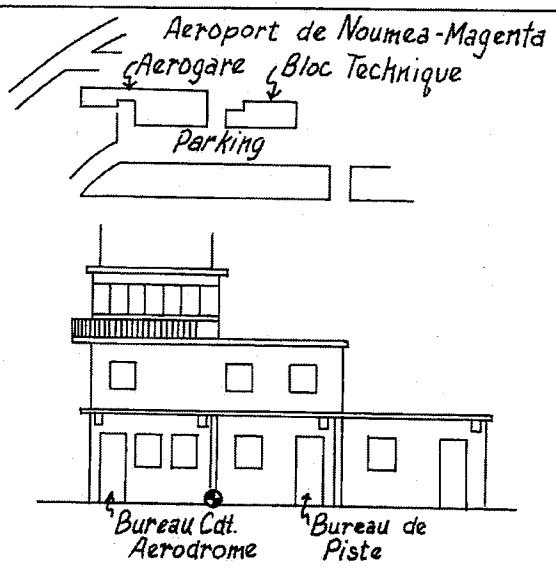

DIAGRAM BY ORSTOM DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Indonesia	Mataram	
STATE/PROVINCE		STATION NAME
Lombok		Selaparang Airport

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
8°32.00'S	116°4.00'E	14.6 m	189-56	

DESCRIPTION

The station is located at the base of Selaparang airport traffic tower.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Airport location

ELEVATION CONTROL DESCRIPTION
Airport elevation

DIAGRAM

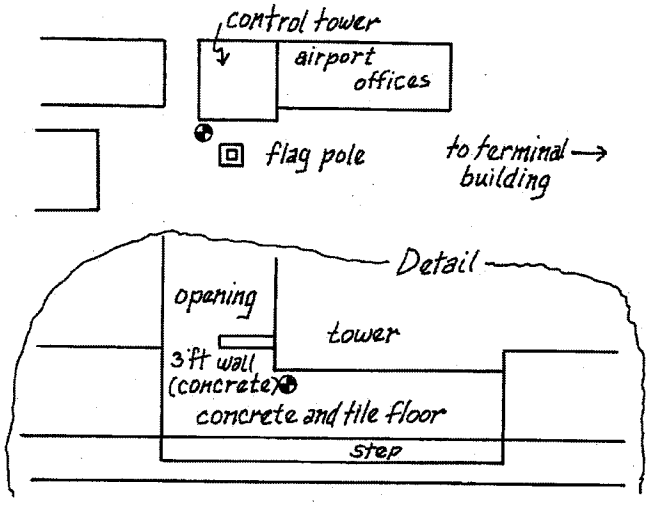

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
New Caledonia	Noumea	
STATE / PROVINCE		STATION NAME: Mont Coffin Monument

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
22°17.08'S	166°26.12'E	51.0 m	189-61	

DESCRIPTION

The station is located at the base of Mont Coffin Monument carrying the date 19 September 1940.

The station is marked by 3 rivets set in the concrete base.

DESCRIBED BY ORSTOM — DATE 11/75

POSITION CONTROL DESCRIPTION
ORSTOM

ELEVATION CONTROL DESCRIPTION
ORSTOM

DIAGRAM

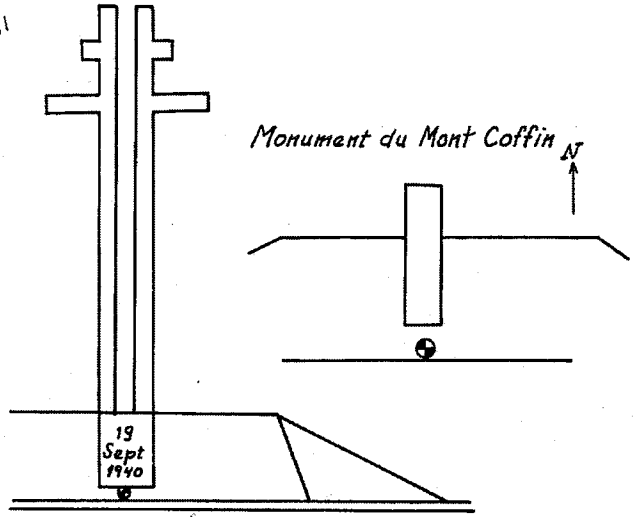

DIAGRAM BY ORSTOM — DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION			
New Zealand	Wellington				
STATE/PROVINCE		STATION NAME			
North Island		Seismological Observatory			
LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)	
41°17.20'S	174°46.10'E	122 m	189-62		

DESCRIPTION

Observations were made in Kelburn, Wellington at the Seismological Observatory below ground level in the basement.

The site is located on the floor of the hallway outside of the instrument (seismometer) room, east of the ramp from the workshop. The site is marked by a brass disc.

DESCRIBED BY P. Jezek DATE 11/75

POSITION CONTROL DESCRIPTION
Previous report

ELEVATION CONTROL DESCRIPTION

DIAGRAM

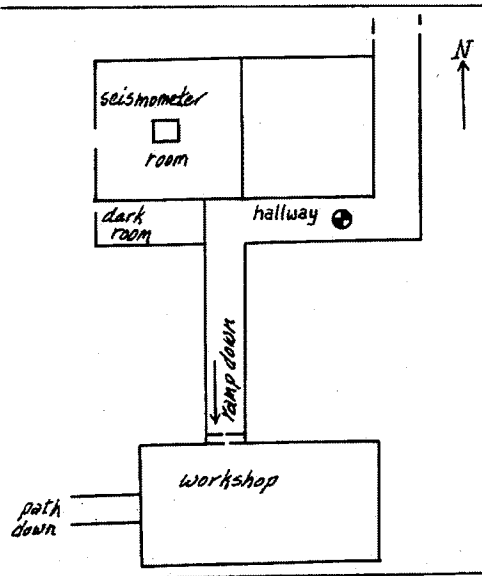

DIAGRAM BY P. Jezek DATE 11/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji Islands	Suva	
STATE / PROVINCE		STATION NAME
Viti Levu		Mineral Resources Division

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
18°07'S	178° 27.5'	178m	189-63	

DESCRIPTION

The station is near the entrance to the W.C. located by the Lapidary on the ground floor of the M.R.D. The station is marked by a brass disc.

DESCRIBED BY P. Jezek | DATE

POSITION CONTROL DESCRIPTION
Mineral Resources Division

ELEVATION CONTROL DESCRIPTION
Altimeter tied to sea level

DIAGRAM

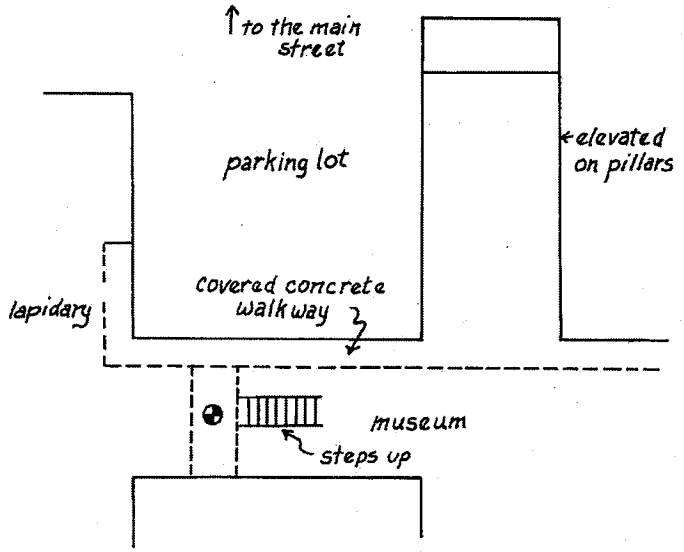

DIAGRAM BY P. Jezek | DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Nausori	
STATE/PROVINCE		STATION NAME
Viti Levu		Airport ditch

LATITUDE	LONGITUDE	ELEVATION	W.H.O.L. STATION NO.	GRAVITY VALUE (g)
18°2.83'S	178°33.75'E	5.8 m	189-64	

DESCRIPTION

The station is located on a concrete abutment over ditch near Nansori airport. The abutment is found, when driving toward the airport, on the left side of the road about 100 m from the terminal building.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION
From Min. Resource Div. of Fiji

ELEVATION CONTROL DESCRIPTION
Airport location

DIAGRAM

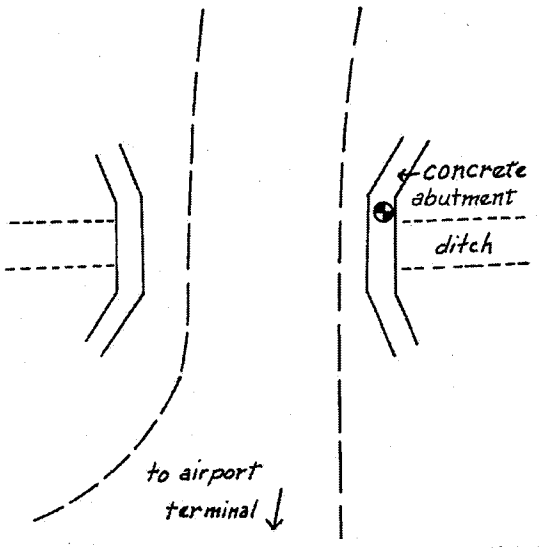

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Korovou	
STATE / PROVINCE: Viti Levu		STATION NAME: Tailevu Hotel

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
17°48.55'S	178°32.39'E	12.7 m	189-65	

DESCRIPTION

The station is located in the entrance to the lounge of Tailevu hotel in Korovou.

DESCRIBED BY P. Jezek — DATE 12/75

POSITION CONTROL DESCRIPTION
From Min. Resource Div. of Fiji

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

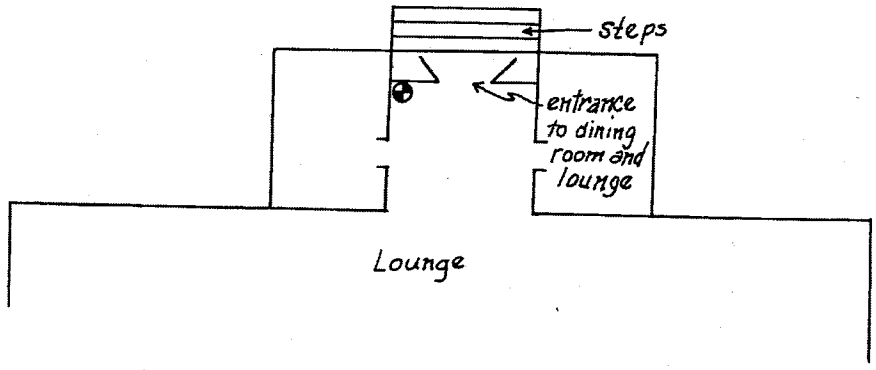

DIAGRAM BY P. Jezek — DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Raki Raki	
STATE/PROVINCE: Viti Levu		STATION NAME: Raki Raki Hotel

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
17°21.68'S	178°9.41'E	12.6 m	189-66	

DESCRIPTION

The station is located on a walk way next to the toilet at the new wing of Raki Roki hotel, on the ground level.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION

From Mineral Resource Division of Fiji

ELEVATION CONTROL DESCRIPTION

Altimeter elevation tied to sea level

DIAGRAM

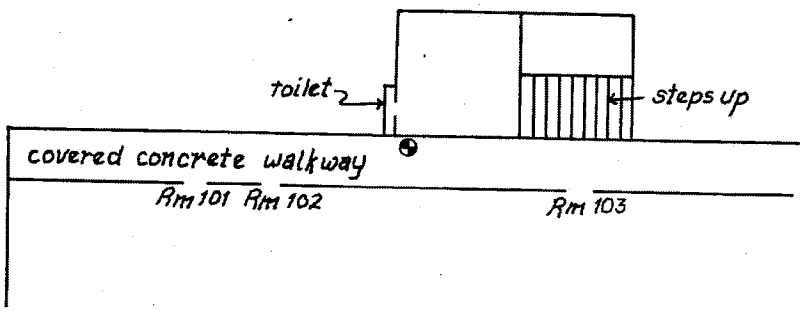

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Nandarivatu	
STATE / PROVINCE		STATION NAME
Viti Levu		Koro-o-Station

LATITUDE	LONGITUDE	ELEVATION	W.K.G.I. STATION NO.	GRAVITY VALUE (g)
17°34.92'S	177°56.24'E	1003.5 m	189-67	

DESCRIPTION

The station is located on the concrete floor near the entrance to the Koro-O telecommunication station at Nandarivatu.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION
From Min. Resource Div. of Fiji

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

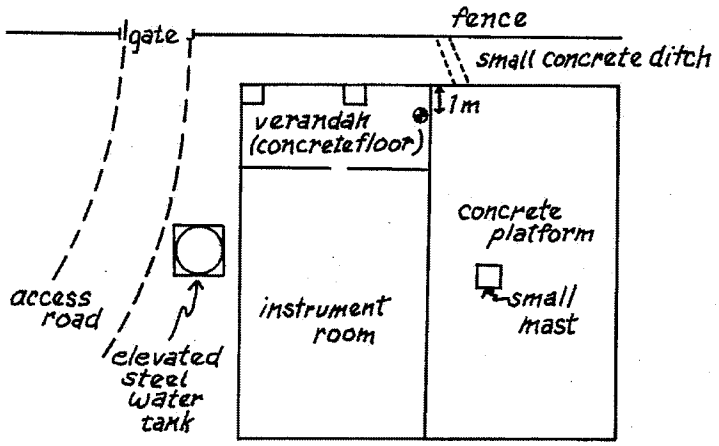

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Korolevu	
STATE / PROVINCE		STATION NAME
Viti Levu		Paradise Point Hotel

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
18°12.96'S	177°43.92'E	1.0 m	189-68	

DESCRIPTION

The station is located on a concrete walk front of entrance to room B1 at Paradise Point hotel in Korolevu.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION
From Min. Resource Div. of Fiji

ELEVATION CONTROL DESCRIPTION
Altimeter elevation tied to sea level

DIAGRAM

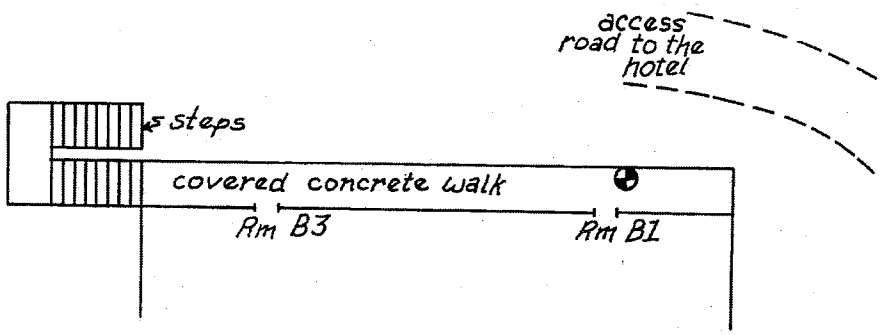

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Nandi	
STATE / PROVINCE		STATION NAME
Viti Levu		Nandi International Airport 1

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
17°45.50'S	177°25.00'E	5.0 m	189-69	

DESCRIPTION

The station is located on the side walk in the corner formed by the walls of departure and arrival terminals at Nandi international airport.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION
Airport location

ELEVATION CONTROL DESCRIPTION
Airport elevation

DIAGRAM

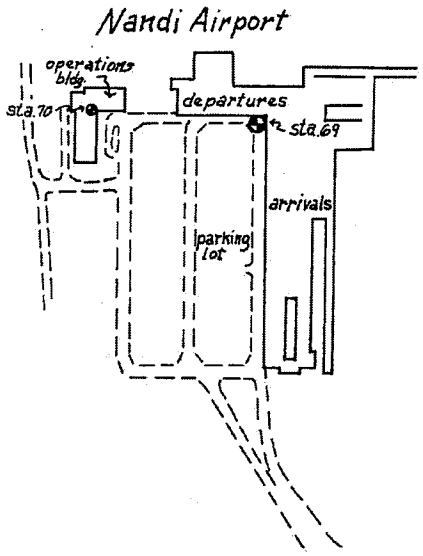

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

COUNTRY	NEAREST CITY	GRAVITY STATION DESCRIPTION
Fiji	Nandi	
STATE / PROVINCE		STATION NAME
Viti Levu		Nandi International Airport 2

LATITUDE	LONGITUDE	ELEVATION	W.H.O.I. STATION NO.	GRAVITY VALUE (g)
17°47.50'S	177°25.00'E	5.0 m	189-70	

DESCRIPTION

The station is located in the entrance of operations building at Nandi international airport.

DESCRIBED BY P. Jezek DATE 12/75

POSITION CONTROL DESCRIPTION
Airport location

ELEVATION CONTROL DESCRIPTION
Airport elevation

DIAGRAM

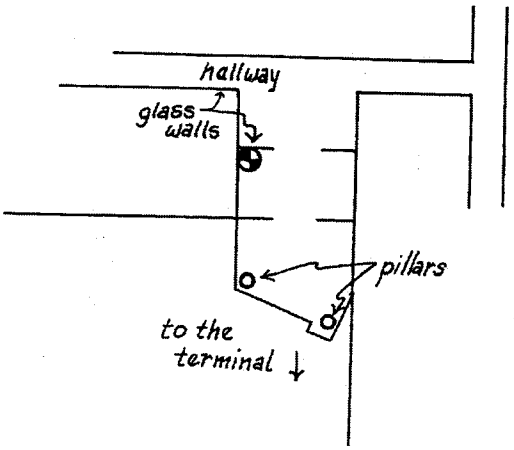

DIAGRAM BY P. Jezek DATE 12/75

DATE	OBSERVED BY	INSTRUMENT	STATION OF REFERENCE	REFERENCE VALUE	Δ g	REMARKS

GRAVITY VALUE	SOURCE OF OTHER GRAVITY VALUES FOR THIS SITE

Woods Hole Oceanographic Institution
WHOI-76-55

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC by Peter Jezek. 75 pages. June 1976. Prepared for the Defense Mapping Agency under Contract DMA800-76-M-0604.

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

1. Gravity
2. Indonesia
3. Southwest Pacific

I. Jezek, Peter

II. DMA800-76-M-0604

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-76-55

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC by Peter Jezek. 75 pages. June 1976. Prepared for the Defense Mapping Agency under Contract DMA800-76-M-0604.

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

1. Gravity
2. Indonesia
3. Southwest Pacific

I. Jezek, Peter

II. DMA800-76-M-0604

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-76-55

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC by Peter Jezek. 75 pages. June 1976. Prepared for the Defense Mapping Agency under Contract DMA800-76-M-0604.

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

1. Gravity
2. Indonesia
3. Southwest Pacific

I. Jezek, Peter

II. DMA800-76-M-0604

This card is UNCLASSIFIED

Woods Hole Oceanographic Institution
WHOI-76-55

GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC by Peter Jezek. 75 pages. June 1976. Prepared for the Defense Mapping Agency under Contract DMA800-76-M-0604.

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

1. Gravity
2. Indonesia
3. Southwest Pacific

I. Jezek, Peter

II. DMA800-76-M-0604

This card is UNCLASSIFIED

BIBLIOGRAPHIC DATA SHEET	1. Report No.	2.	3. Recipient's Accession No.
4. Title and Subtitle GRAVITY BASE STATIONS IN INDONESIA AND IN THE SOUTHWEST PACIFIC			5. Report Date June 1976 6.
7. Author(s) Peter Jezek			8. Performing Organization Rept. No. WHOI-76-55
9. Performing Organization Name and Address Woods Hole Oceanographic Institution Woods Hole, MA 02543			10. Project/Task/Work Unit No. 11. Contract/Grant No. DMA800-76-M-0604
12. Sponsoring Organization Name and Address Defense Mapping Agency Washington, D.C.			13. Type of Report & Period Covered Technical 14.

15. Supplementary Notes

16. Abstracts

During October, November, and December of 1975, seventy gravity base stations were established on the islands of eastern Indonesia (Timor, Wetar, Leti, Moa, Sermata, Babar, Ambon, Seram, Manawoko, Kasiui, Kao Besar, Hungar, Serua, Banda Neira, Boano, Kelang and S.W. Sulawesi), New Caledonia and Fiji. The measurements were made with LaCoste and Romberg land gravimeter G-114. This report presents station descriptions and summarizes the results.

17. Key Words and Document Analysis. 17a. Descriptors

1. Gravity
2. Indonesia
3. Southwest Pacific

17b. Identifiers/Open-Ended Terms

17c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 75
	20. Security Class (This Page UNCLASSIFIED	22. Price